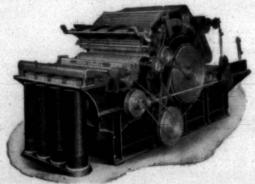
SOUTHERN I EXTILE BULLETIN

VOL. VII

CHARLOTTE, N. C., JULY 16, 1914

NUMBER 20

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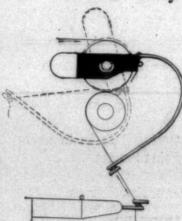
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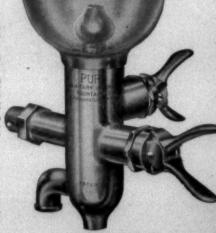
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SOUTHERN IEXTILE BULLETIN

CHARLOTTE, N. C., JULY 16, 1914

Development of the English Cotton Industry

material has to be imported the besides those who actually pack and English cotton industry has develop- ship the goods abroad. ed much more rapidly than that of any other country. The climate, the numerous coal mines at the very doors of the mills ,and the tradition-al and inherited skill of the operatives have combined to make Lan-

Cotton goods constitute about one-third of the manufactures exported from England. The industry is not-ed for the great variety of the yarns spun and the fabrics woven. The tendency of the spinning and weav-ing branches of the trade is constantly toward separation, although many concerns still carry on both processes on the same premise. Since 1912, the looms have about caught up with the spindles; that is, they are now capable of handling all that is not experted. The last decade has seen an especially marked development of the cotton industry, and 12,000,000 spindles and 90,000 looms have been added since 1905, rather exceeding for the time being the requirements of the trade. In 1894, the number of spindles in Lanchashire was about 43,000,000, in 1904 about 45,000,000, and in 1914 they are about 59,000,000. No new mills are desirable now. especially as the supply of skilled labor, and more particularly juvenile labor, is being taxed to the utmost. This is notably the case in the yarn industry. In recent years spinning has developed chiefly in the districts of Oldham, Bolton, Ashton, and Rochdale, and weaving in the districts of Blackburn, Burnley, Preston, and Nelson. Different districts specialize in different classes of work. Blackburn is know for its shirtings, Brun-ley for printing cloth, Nelson for sateens, and so on.

About 637,000 people are said to be engaged in spinning and weaving while a great many more are employed in numerous subsidiary and dependent industries, such as bleaching, dyeing, finishing, calico printing, manufacture of readymade clothing, preparation of dyes, etc. In addition, when it is remembered that the English industry consumed last year 4.427,000 bales of cotton, and that all of this raw product had to be hauled from the docks or the railways to the spinthe

An interesting calculation has recently been published as to the ef-fect upon the English cotton industry of the fluctuations in the price of raw cotton. England consumes about 4,000,000 bales each year cashier the seat of the industry in on the average. At one time cotton England. could be bought for 6 cents per pound. At the beginning of 1914 it was 15 cents, and was not lower than 12 cents at any time in 1913. A difference of 1 cent per pound makes a difference of \$5 per bale, and 3 cents makes a difference of \$15 per bale, while \$15 per bale makes a difference on 4,000,000 bales of \$60,-000,0000. The price of the raw material largely governs that of manufactured article, and article, and high prices restrict trade, especially in countries like India, China, Africa, Turkey, and the Balkan States, where the purchasing power of the individual is comparatively individual is comparatively limited. It is interesting to note that, if the 350,000,000 Chinese were to consume cotton goods to the same extent as some of the European peoples, it would require more than 20,000.000 bales of raw cotton to supply them. A similar calculation may be made the now scantily clothed 100,-000,444 Africans, so that the expansion of the cotton-goods trade seems bound to take place as these countries become more civilized.

Three-fourths of the product of the Lancashire spindles and looms goes abroad, India alone taking about about 45 per cent and being by far the best single customer. While the United States produces five-eighths of the entire cotton crop of the world, it exports only about 5 per cent of its production. Just before the passage of the tar-iff act of October 3, 1913, a member large manufacturing firm in the Blackburn district expressed the opinion that the lowering of the American duties on cotton cloths would tend to improve the Lancashire trade for a time, but that later, through changes in the Amer-ican industry which would lead it to cultivate foreign fields, the Lancashire industry might stand to suffer. This seems to be the general opinion prevailing here at present.

Although some 22 countries are er, the dyer, the weaving mills, the the latter fact being due chiefly to vious year. In 22 of the last 30 engaged in the processes of spinning finisher, and the printer, and thence the overstocking of many of the years they have returned a profit, and weaving cotton, almost every back to the docks or the railways world's markets and the serious the aggregate being \$34.107.731, as country of the world is a buyer of as a finished product, it may read-political and financial disturbances the other eight years of \$4.413.153, English cotton yarns and cloth. In ity be seen that a very large numing in several important consuming or a net profit of \$29.694.578. The spite of the fact that all the raw ber of carters must be employed, countries. Almost worse than the average paid to shareholders works lack of orders in 1913 were the serious labor unrest and disputes of years. one sort or another, and especially the abandonment of the so-called "Brooklands Agreement," an important contract entered into some years ago between organized employers and operatives. Taken altogether, however, it was not by any means a bad year in the cotton industry. Spinners had a very good year, while cloth manufacturers did well in the first six months, and some were still profitably employed at the end of 1913. Early in 1914, reaction set in in both branches, and there have been considerable stoppages since in the Burnley, Blackburn, Colne, and Nelson dis-

In his annual tables John Kidger, of Oldham, selects 100 typical spin-ning companies and deals with their financial position, as shown by their balance sheets. These 100 mills had a share capital of \$17,966,460 and a loan capital of \$11,628,175. For the year ended November 30, 1913, their net profits were \$2,627.326 and the number of spindles and looms, con-average dividend 8 per cent, as sumption of raw cotton in bales, compared with \$2,717,696 and 7 1-5 and the number of operatives emper cent average dividend for the ployed in the principal manufac-previous year. This 8 per cent div-turing countries, according to the idend is the fourth highest in 30 latest returns or estimates:

worse than the average paid to shareholders works 013 were the ser- out at 5 1-3 per cent for the 30

Another authority, William Tattersall, analyzes the returns of 70 spinning companies, with a paid-up share capital of \$12,470,523 and a loan capital of \$5,476.243, and shows that the profit on the share capital amounts to 13.35 per cent, as compared with 12.70 per cent in the previous year, and on share and loan capital combined 9.30 per cent in 1912. The total spindleage of the mills held by the 70 companies 6,050,070. -

Counting bales against spindles, the consumption of American cotton in the past has been said to be, roughly, one-tenth of the spindles. For instance, there are about 147,-000,000 spindles now in operation throughout the whole world, and the estimated American crop bales is somewhat less than one-tenth of that number.

The following table, taken from "Comtelburo" Handbook, published in September, 1913, gives the turing countries, according to the

			Consumption	Operatives
Countries	Spindles.	Looms	in bales	employed
Great Britain	. 58.481,000	786,000	4,427,000	637,000
United States		695,000	5,669,000	(1)
Germany	. 10,163,000	230,000	1,980,000	375.000
Russia	. 7,633,000	213,000	1,400,000	370,000
France	. 7,400,000	108,000	1,120,000	161,000
India	6,464,000	89,000	2,050,000	244,000
Austria-Hungary	. 4,864,000	155,000	878,000	170,000
Italy.	4,583,000	140,000	900,000	200,000
Japan	2.204,000	21,000	1,357,000	94,000
Spain.	1,900,000	55,000	370,000	70,000
Belgium	1,715,000	24,000	250,000	11,000
Brazil.	1,520,000	50,000	330,000	106,000
Switzerland	1,398,000	22,000	99,000	21,000
China	1,000,000	5,000	525,000	(1(
All other countries	5,813,000	159,000	1,078,000	182,000
Watal	147 059 000	9 759 000	20 422 000	0.011.000

(1) Not stated. According to the census returns the number of spinners employed in cotton mills in the United States in 1909 was 67,378, the number of spindles in that year being 27,425,608.

years and the highest since 1907, ashire industry might stand to the most modern machinery for the following figures for the iffer. This seems to be the genproducing yarn at the lowest posamounts sent to the various great and opinion prevailing here at sible price. He finds that the aversections of the world: To India, age dividends and bonuses paid by Straits Settlements, and Ceylon.

As stated, the year 1913 opened the strain opened to the most modern machinery for the following figures for the strain opened to the most modern machinery for the following figures for the strain opened to the most modern machinery for the following figures for the strain opened to the most modern machinery for the following figures for the strain opened to the most modern machinery for the following figures for the strain opened to the most modern machinery for the following figures for the strain opened to the most modern machinery for the following figures for the strain opened to the most modern machinery for the following figures for the most modern machinery for the following figures for the most modern machinery for the following figures for the most modern machinery for the following figures for the most modern machinery for the following figures for the most modern machinery for the following figures for the most modern machinery for the following figures for the most modern machinery for the following figures for the most modern machinery for the following figures for the most modern machinery for the following figures for the most modern machinery for the following figures for the most modern machinery for the following figures for the most modern machinery for the following figures for the most modern machinery for the following figures for the most modern machinery for the following figures for the most modern machinery for the following figures for the most modern m neries, thence perhaps to the bleach- full of promise and closed badly, against 9 per cent paid in the pre-

In the last four years the total compared with an aggregate loss in exports of cloth to all countries the banner year for spinners, when was as follows: 1910, 6,018,454,000 15 7-8 per cent was paid. Mr. Kid- yards; 1911, 6,653,613,000 yards; ger also discusses some 120 com- 1912, 6,912,919,700 yards; 1913, 7,-panies, which he describes as the 075,558,400 yards. The Textile Rebest profit earners, all having up- corder has grouped the exports of to-date mills, fully equipped with cotton cloth in 1913 and presents (Continued on Page 5.)

Commercializing a Technical Training

Harry C. Haynes before Bradford-Durfee Textile School

encourage a determination to seek a technical young man training, there are almost invariably three diametrically opposed kept pace with the demands for inobjects involved in the process of acquiring such an education.

industry to which he intends to devote himself, usually most desires, the shortest road to success and the acquisition of position and wealth to better advantage than his fellows. Or, possibly, through influences of inheritance, he may desire to maintain a family position and prestige in an industry and fol-low in the footsteps of his father.

Whatever may be the process of technical training, the crude re-sult is the same. A condition is produced either properly or improperly, expeditiously developed or long deferred, of a high, low or medium order. This last, perhaps more than the others, is dependent upon individual characteristics.

Accepting this unmaterial condition as the reward for months of studious application to classroom and laboratory, or years of unramitting labor among machines and working men and women, the commercialism, uses and investment of this asset is the subject I wish to place before you. Such condition of mind and body is but the "stock trade" of a young man starting business with himself. To this stock, of course, we will add con-tinuusly. I wish to point out that this nucleus to future commercial greatness will never be other than working capital.

selling methods To standardize and predetermine market possibilities is but a different application of the same principles which govern standard operations for production. The shrewd investor in mill securities carefully analyzes both dead property valuation and live operating possibilities of his property. Very few men put their money into mill property only with a knowlthat the operating organization is sound in principle and per-sonnel. To accept security through confidence in the ability of a single man to conceive and execute all profitable measures is to take the very short end of a gamble with life and death.

Buying, manufacturing and selling conditions, always changing and a state of evolution, are at present violently agitated. Increased cost of labor and material have both been saddled with more or less responsibility for unsatisfactory aspects of business. Treasurers decry the acts of selling houses and directors; superintendents bend under the burden of hardships in-flicted by other superiors, and so down the line of delegated authority to the smallest and most humble of an association of graded men and responsibilities which is not and colletively an organization.

mills were comparatively few

labor. Advances in mechanical research and invention have about Howcreased unit human service. ever, with this advance have come The student, choosing the line of increased demands upon the resourto cefulness of labor, and the numer-de- ical increase in machines of a growing mill has been enormous

> Time in which to accomplish results has also been steadily de-creasing, until today the operating mill man, or superintendent, as he is commonly called, cannot, through sheer physical inability, occupy his former self-contained position of usefulness. Several years ago one try involved. man could know his mill of a few thousand spindles intimately and the successful control of his equipment and labor was a simple matter. Today the same form of organization and the same single man handle. supposed successfully to handle, and does struggle to administrate, a manufacturing plant of 500 per cent or more increase in size number of units and with rapidly deterorating instruments of labor.

Industrial pressure upon mill operating executives has not as yet, extent, produced permanent remedial measures. The conventions of our forefathers still endure in the organization of the industry, and as business demands have incessantly increased the instinct of individual, self-preservation has come strongly to the front. Men still talk in whispers and look wise over "trade secrets" known to them alone, and superintendents believe they "hold their iohs" through individual experience and qualifications to which nothing can be added by association with unonventional methods.

The young technical man about to engage in the commercializing of his training through the textile industry should then further school himself until the habit of analysis is well formed. Unless he would suffer the hardships of the pioneer the young man should select a field of opportunity for work where science has at least begun to replace chance or guesswork and organization or the harmonizing of effort has been recognized as constructive measure of permanent These conditions are not always easily recognized. An inclination soberly and thoroughly to analyze all conditions surround-ing a problem is one of these developments and is to be highly cultivated. To apply this analytical examination no only to a branch of industry and field for work but to one's self is of tremendous value to a man, either young or old.

Possibly the most serious difficulty to confront the young man will other than the superintendent. be his battle in the exercise of his It is unfortunate for the reasoning powers against traditions

ved by a high order of intelligent or habit of his mill community will mills could easily supply the entire very likely oppose his progressive market if standards

Incompetent men apparently succeed in many instances and their lack of constructive effort may not overtake the business committed to the charge for a very long time. The potential of able predecessors carry the business spite of bad management and pride necessity for supplying this requi-in prestige, often cover real financial losses. The price of commer- You must learn to both respect cial elevation of an individual sometimes a long one for the indus-

Good organization is an instrument for the elimination of waste of all kinds and unnecessary wear and tear of business. Standard organization is an analytically recognized plan or grouping of methods for scientifically delegating to each necessary part of the plan clearly defined duties and organic functions to be discharged. Organizations or parts thereof become standard then all involved business conditions positively determine the necessity for functional delegation of responsibility. Financial tions may, to an involved concern, retard or apparently forever prohibit the realization of standard organization, but the principles are lementary and all mill operations can with no great effort be made much better than they are by adhering to the principles of standardization.

No operating mill executive superintendent can alone and without an enormous amount of help through organization and council maintain a high operating efficiency under standard organization conditions. The superintendent can best serve his mill who so thoroughly knows his craft as to recognize his limitations and who fearlessly admits his inability to cope with all the difficulties of a rapid perating development. Such admission honestly made is an indication of strength rather than weakness, for a mind fair enough to conduct a self-examination will supply the lacking elements of his plan from whatever source they may be secured.

superintendent knows whole mill as intimately as a specially delegated man who, by devoting his entire energy specific producing problem, becomes a specialized source of information. On the other hand, such a specializing assistant might a sibly fail if put to the test of ecutive management and operation. The same principles of requisite elements apply to all executives

It is unfortunate for the young technically trained man that very

Whatever influence foster and ple in variety of product and ser- immediate examples. The practice the present number of operating operating thought, and the professional es- efficiency and organization were teem of his fellows is, to the young fairly well developed. Reliable deman, a very precious possession. surrounding mill operation is absolutely necessary to a high order of success. Comparisons cannot be intelligently made without proper consideration for all conditions. Standardization of organization and operations will clearly indicate the

> is the ideas of other men and accept is- them in co-operation with your own. Contempt for the knowledge of others is a deplorable stumbling block to progress, but not as serious an outrage against progress stubborn conceit and a self-suffi-cient contentment with average contentment conditions and satisfaction in being an average man.

Technical knowledge applied is but part of the service demanded by specialization is devoted to the actual operations of converting raw cotton into a salable fabric the marketing of the finished product other elements must be supplied if 100 per cent institutional efficiency is to be realized. The operating mill executive or director of sales organization cannot alone even approximate a reasonable a reasquable standard. Scientific cost and controlling methods are indispensable to maximum results. and that this element of organization is almost invariably neglected opens a splendid field of work for the technically trained man. A keen knowledge of cotton processes is not alone sufficient to success in cotton manufacturing. Most superintendents and higher executives consider it so, however herein lies the cause for the low operating efficiency of the textile industry as a whole. Conventions of the trade, time hallowed inefficiency of organization and abounding conceit fostered in the breast of a vast majority of operating men have held it down.

It have been brought closely in contact with many very able men in executive positions in cotton mills, and in this contact innumerable questions of doubt as to causes for low operating efficiency have been answered by the general condition of sublime ignorance of what other men could possibly do and what a small part they are playing in their self-sufficient turtle-like seclusion. These conditions, while exercising a tremendous handicap textile industry, bounteously spread the table of opportunity for young, keen, broadminded and courageous men.

My advice to the young technical man is to avoid aspirations to exnd responsibilities which is not and local conventions. He may much more than a majority of mill ecutive mill offices. Do not make secretly entertain brilliant aspirate executives know but little of the your ambition the acquiring of a Years ago in the textile industry tions for the doing of things yet unpossibilities of standardized organ—superintendent's or ever a treasurills were comparatively few in done and for accomplishment along ization and operation. It is true er's position only. Rather determine number, limited in equipment, sim- lines of radical departure from his that much less than 100 per cent of to supply an element of organizaupset and defeat limiting or destructive customs of however long stand-

Cultivate courage to attack all problems from inside as well as out. Business politics are necesas to avoid the losses of commercial clashing and trade mar-Such politics are keting warfare. Such politics are perfectly justified as a means of harmoniously smoothing the way to

Ambition to be a commercial success is most worthy of praise. Such material success will come of itself if the young mill man standarizes himself and watches his own operating efficiency and his influence for good or evil on the institution of

which he is only a part.

Demand your true worth, demonstrate it, fight for it. Pay tention to the scoff and jokes of small minds; go ahead along the lines you believe to be right, profiting by advice and council from any and all sources. The innumerable problems of textile organization and operation offer magnificent opportunity for the exercise of your tal-ents in many directions. The demand all along the line for reorganization of operating methods is too insistant to be much longer ignored by the whole industry.

Your reward will come from efficiency, both individual and your influence upon the collective efficieney or organization. The term effi-ciency, much abused, ill used and The Dyeing of Cotton in Dyeing dragged in the mire, is well known and familiarly used by all men as the ratio of their producing condition to an accepted base.

Kipling's of The last four lines of now very celebrated poem, to me. mean more and convey more than any exhaustive treatise upon the subject from an engineering source.

I offer them in conclusion:
"If you can fill the unforgiving minute,

With sixty seconds' worth of distance run,

Yours is the Earth, and everything that's in it,

And what is more, you'll be a Man, my son.

Development of English Cotton Industry.

(Continued from Page 3.)

including the Philippines, Siam, China, Japan, and the Dutch East Indies, 1,130,807,000 yards; to Mediterranean markets, including Greece, Roumania, Furkey, and Egypt, 680,809,000 yards; to South American countries (Peru, Argentina, Brazil, Uruguay, and Chile), 424,337,000 yards; to other Euro-pean countries (Denmark, Germany, Netherlands, Belgium, France, Switzerland, Portugal, and Italy), 340,627,000 yards; British South, West and East Africa, 231,-149,000 yards; Australia, 211,073,-000 yards; countries of North, West and East Africa, 179,626,000 yards; North America, 177,798,000 yards; yards; Vene-Central America, Colombia, Venezuela, and British West Indies, 155,-708,000 yards; Persia, 40,616,000

tion which you will in time know there an increase over 1912, namely, to be lacking. Rise above obstacting the Far East, in North America, les and the interference of narrow and in India. The India and China the interference of narrow an din India. The India and China Do the unusual things to business it cloths was enormous. while that in Japan and Persia fell East That of Dutch largely increased, but trade in Tur-key, Roumania, Morocco, and Egypt dropped back, and that with South America declined decidedly. tralia trade fell off, but Canadian gained. On the whole, the British exports gained more in the large markets than in the small.

The total exports of yarn to all ountries in the last four years countries in the last ws: 1910, 191,694,500 223,857,600 pounds; were as follows: pounds; 1911, 1912. 243,850,400 pounds; 1913, 240,-175,500 pounds. Of course the home market is the predominating factor in the yarn trade, and the exports of yarn form a compara-tively small proportion of the pro-duction of Lancashire. They are, however, an extremely important item and the falling off last year of 33,000,000 pounds has had an unfavorable influence. This decre in exports occurred mainly in the trade with Germany, Netherlands, Austria, Bulgaria, Roumania. Turkey, and Calcutta. Spinners of Egyptian cotton did exceedingly well and began 1914 very favorably. carded Egyptian specially well. In view of the large increase in the looms in the last year or so, if the spinners have a poor year in 1914, the weavers must have a similar experience. Consular Reports.

Machines.

This is the title of a small volume of eighty-five pages, bound in cloth, containing details of a variety of methods found available for the dyeing cotton in mechanical appliances. In view of the constantly increasing interest in machine dyeing, the process described will prove of value to the practical dyer, and include the dyeing cotton, sliver and roving. cheeses, cops, skein yarns and

The volume also contains a number of valuable receipes obtained from practice, showing, besides the important machine dyeing process, the application of colors to warps on the beam and the dyeing of cheeses by the "froth" process. A copy of the manual may be ob-

tained by addressing any of the offices of the Cassella Color Co.

Why He Was in Doubt.

The Sunday school teacher had explained the familiar Bible story at length and then asked Tommy if he expected to be among the sheep or among the goats.

"I dunno," said Tommy doubtful-, "How's a feller to tell when his Maw calls him a lamb an' his Paw says he's a pesky kid?"-Ex.

"What is the reason," asked the gallant captain, of a young lady "that men never kiss each other while women waste a world of kisses on other feminine faces?"

"Because," was the reply, "men have something better to kiss and In only three of these groups was women haven't." Extreme fastness in blues dyed upon cotton was not fully realized until the

HYDRON BLUES

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were brought upon the market. Discriminating buyers of denims, chambrays and ginghams specify

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Brown shades produced with Extract of Cutch have a fullness and richness of shade which cannot be equalled by any other coloring matter.

Consideration of this fact, in connection with the excellent fastness of Cutch should make it of interest to all dyers of cotton goods.

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leaving 10,944 lbs. of good sliver. 19944×1

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good sliver.

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at the fly frames, leaving 10,672 lbs. of good rovings

detail as above, and reducing it to er followed by a three-blade scutch-one operation as below. The total er beater, and if any difficulty was percentages added up reach 14.75, experienced in the Iwo operation as the I duce?

to be 10,672 lbs.

Question.—Would it be possible total of 60,000 lbs. each scutcher for you to tell any of the wastes made in the foregoing question were due to bad packing or faulty or, say, 417 laps from each scutcher. ginning? If so, how would you proceed to determine this?

Answer.—The dilapidated condi-

tion of the wrapping or packing of say three openers at 20,000 lbs, each very many of the bales of American per week. For the ordinary American they reach this country is no-can cotton some spinners would use torious. The actual weight of per-two Crighton openers. For moder-centage of waste may, however, not ate American cotton some spinners attain a high figure as due to bad would use both breaker and finisher packing. At any rate an ordinary scutcher.

Question.—Assuming you have when they reach the mill should usually disclose faults due to bad wrapping, such, for example, as staining and dirtying of the cotton. So far we are alluding only to the racking or covering of the cotton hales. It is quite possible for cotton

Question—Assuming you have a to be falsely or fraudulently packed, mixing of 12,000 lbs. of American or damaged, apart from the question cotton suitable for spinning 40's of wrapping, or to rank as unmerwarp, what weight of finished rov- chantable cotton, and by the usual ing would you expect to get? Give contract rules such cotton may be a list of the losses and their claimed for by the purchaser at the amount. value of the sound cotton at the Answer.—The exact amount of date of return. Falsely packed cotwaste would, of course, vary with ton may have distinct excess of the such items as the skill and care of tare ,or portions of inferior cotton the workpeople, the condition and may be included in the bales; the speeds of the machinery, and—at tare excesses being evidenced by the scutchers and cards—with the weighing after taking off, while exideas of the management; but all pert examination of the bales after these would come within certain opening may disclose other faults. limits, and might work out approx- Gin-cut cotton is perhaps not as easily detected as false packing, but per cent may be suspected by extra cleanli-per ment ness of small samples, by a distinct tendency to curl, or by samples breaking too easily between the fingers and thumbs. Naturally its presence will be manifested in the mill by increased waste, worse spinfind the waste, and the amount of ning, and weaker yarn, when present good cotton passed forward from in large quantity. The spinner may each process by calculation as fol-make his claims for falsely packed cotton through his buying broker.

Question.—Assuming you have to design a blowing room for producing 60,000 lbs. of finished laps per week of 55 1-2 hours, from American cotton, give a list of the machines you would use, and state the number of laps each machine would have to produce, the laps being 12 ozs. per yard, and 36 lbs. in weight.

Answer.-We will assume we are 100 intending to spin a good quality 50's graw frames, leaving 10,834.56 lbs. of carded yarn average from very good American cotton, and we desire to keep our blowing room machinery =162.5 lbs. of waste well employed. It might be found a convenient arrangement to use two openers followed by four single scutchers, and no intermediate or A point of particular importance breaker scutchers being employed. in this connection is the difference The openers might each contain a percentages added up reach 14.75, experienced in the two openers. We may reason this: If 100 lbs, of keeping up with the production good cotton produces 17.75 per cent they could be run well up to time of waste, what will 12,000 lbs, pro- at the week-end, or we could resort to the somewhat extreme practice This would only leave 10,230 lbs. of weigh 12 ozs., and remember that rovings, whereas the detailed calculation shows the weight of rovings to be 10,672 lbs.

or, say, 417 laps from each scutcher. It may be added that some firms might prefer to work the machines more easily, and use more of them,

to provide the requisite number of cards to deal with the 60,000 lbs. of laps mentioned in the previous question, and to produce slivers of .16 hank, how many cards would you install? At what speed would you run the doffers, and

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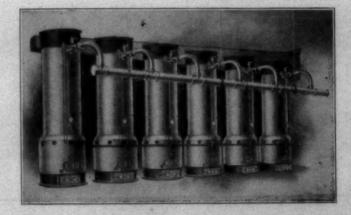
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weight of slivers would you expect to get?

Answer.-We will assume, as in previous answers, that very good American cotton is being used, and the average counts of spun yarn is about 50's carded. Each card may be set out to produce 500 lbs. per week of good sliver, and assumed to lose 6 per cent in waste of one kind tain 800 lbs. or more per card. or another. With 6 per cent loss Question. — Describe the the 60,000 lbs. of laps would produce a total weight of sliver as per following caluculation:-

100 lbs. of laps gives 94 lbs. of sliver.

100 : 60,000 :: 94 : ? 60000×94

-56,400 lbs. of sliver 100 [from cards. Taking each card at 500 lbs. production, we get number of cards as

56,400÷500=112 4/5ths cards, or, say 1113 cards as per calculation. To this number may be added three or four for stoppages due to stripping, grinding, repair, or other pur-poses. A 24 inch diameter doffer might make about 11 1-2 revolutions minute under the conditions specified.

If we feed a 12 ez. lap, and deliv-

of lap reduced to grain into 8.33.

=95.128 mechanical draft.

For ordinary American cotton, and spinning 30's to 40's, the assumed production of 500 lbs, per card would be too low, and 650 lbs, to 700 lbs. would be nearer the mark. For rather lower counts many firms ob-

the nature of swivel ornamentation and how it may easily be distinguished from extra weft or lappet spots. Name any facts detri-mental to its adoption in cheap

Answer.-The special parts required for swivel ornamentation figures are themselves formed by consist of (a) a frame to carry a extra weft, hence they cannot be series of small shuttles in front of distinguished from "extra weft," as the sley cap; (b) parts for lowering and raising the shuttles to and from the level of the race board; and (c) parts for moving the shuttles through openings formed in the warp by the jacquard and harness. The frame is lowered and raised by means of a series of levers which are controlled by the jacquard, and the shuttles are usually moved by the aid of a long rack and a number er a 46 hank sliver, and allow 6 per of pinions which gear also with cent waste loss, hank or counts of small racks formed on the rear of lap and the card draft might be ob- the shuttles. Thus when the long tained from the following calcula- rack is drawn in one direction the shuttles are traversed from a hold-(1) Divide the weight of one yard er on one side of the already lifted warp threads to a holder on the production of a cheap fabric. 437.5×12=5280 grains in 12 ounces. other side of the threads, gaps being 8.333÷5250=.00158 counts of lap. left in the frame to permit of a shed being formed therein. For the left in the frame to permit of a shed being formed therein. For the

next figure shed the shuttles are returned to their original holders by the contrary movement of the long rack. After each movement of the figure shuttles the rack is lifted and one or more picks of weft are interwoven from an ordinary shuttle to form a ground fabric. Each figure or spot has its own separate shuthence the figure weft can be Question. — Describe the me- interlaced only with the warp chanism required on a loom to threads-which form the sheds to reproduce swivel fabrics. Explain ceive it, so that there is consumed just the requisite amount required to form the figure. The latter can also be interlaced with the warp in any desired order since any warp thread-within the limits of gaps mentioned above—can be lifted or left down by the harness. Swivel named in the question. Probably, however, the examiner refers to extra weft spots formed by ordinary weaving. In this latter case the figure material either floats loosely from figure to figure, or is cut away round the edges of the latter. Swiv-el spots can be distinguished from lappet spots by the fact that the latter, being produced by extra warp threads, are secured in the cloth by the weft threads, whereas the for-mer, being extra weft, are secured by the warp. The complicated me-chanism and limited output of the loom, together with the fact that a jacquard and harness are against the

> ility of single and double lift dobbies for weaving gauze fabrics.

Show by sketches how, the open and cross sheds are obtained, and mention the use of "easiers," "shakers," and top and bottom doups.

Answer .- In gauze and lene weaving it is essential that the crossing threads should be level with, or in the same place as, the crossed threads at the moment when the forwarp mer are about to change from one side of the latter to the other. single lift shedding all warp threads are of necessity brought to a common level after every passage of the shuttle, because there is only one lifting agent which must therefore return to its original position to enable a fresh selection of shafts to be made for the following shed. For this reason single lift shedding is more convenient for gauze and leno weaving than an yother system of shedding. But machines of this type can only be run at low speeds, hence they are only used to a limited extent. Of double lift machines the most suitable are those which form a "centre" shed, i. e., which drop a shaft to the centre of the shed be-fore taking it back for the following pick when it is required in the lifted position for successive picks. Now, in a gauze weave the doup or crossing ends are required to be above the weft, and the crossed ends below the weft, for every pick, so that it would be impossible to change the position of the crossing end with ordinary arrangements. duction of a cheap fabric.

Question.—Explain the adaptabtion of parts, which are known as ity of single and double lift dob- "shakers," and which raise the shaft (Continued on Page 9).

About Sizol.

The Seydel Mfg. Co., of Jersey achieved. City, N. J., has sent the following circular to the trade.

"As manufacturers of the worldrenowned SIZOL we sell you scientific advice resulting from years of chemical study.

Have you ever stopped to think that without SIZOL the automatic loom would not today reel off the production it does and that such a thing as running thirty looms, without even a helper, would be an impossible feat for a weaver!

nothing better at hand.

compound, in the great majority of cases this being SIZOL.

"This speaks volumes progress of SIZOL as the best help plied to reserve styles by means of of the weaving industry and wish you to look at your produc- much difference in shade between tion sheets and tell us if you are the two sides, and the consumption satisfied.

We love to hear SIZOL praised, but still more do we love to con- is prepared with glucose printed vince a "Doubting Thomas" of the with a reserve of copper and lead help we can extend to him on any class of material-from silk prairie grass.'

the wish to economize the dye. Then it was claimed that the difference between the two sides was a proof that indigo had been used, and that, as indigo dyeings are not very fast to rubbing, this method gave some warranty against bleeding on to other fabrics.

When the older vat dyeing process is adopted, the back of the piece is lighter than the front, but very unlevel and full of more or less dark-blue patches. In this method the pieces are dyed folded back to back, so that the indigo cannot impregnate the two sides alike. The results would seem failures to persons not accustomed to the process, but the cloth finds a ready market for export ,although it is true that the market for it in Europe has fallen off greatly. Customers are beginning to require that

the back should be level as well as can be varied according to the basis pale, and this result has been of the continuous va

The Schaab and Ribbert processes

had no other object than to economize labor and accelerate production, giving to the reserve sufficient solidity to stand dyeing in a continuous vat. Schaab's patent is based on padding the pieces, printed with a reserve, with a thickened color containing carbonate of potash or caustic soda lye of 15° B., and then dyeing them in a continuous vat. scouring and rinsing as usual. In this way the reserve is hardened to "Ten years ago, when we started the point of being able to resist the to make SIZOL, 90 per cent of the successive pressures to which it is sizes were made of starch and tallow, for the reason that there was unreserved parts, the caustic soda exerts a mercerizing action, thus of bichromate of soda, rinsed and "Today 90 per cent of the sizes conferring on the cotton an increasare made of starch and a chemical ed affinity for dyes. These places conferring on the cotton an increasnajority of will thus acquire the dark shade required, while the back will be for the method is just that of Tagliani ap-

padding. It does not always give much difference in shade between

of indigo is considerable.

In the Ribbert process the cotton salts, padded with indigo and caustic soda, steamed for 17 to 20 seconds, with a very wet steam. free from air, and dyed in the continu-ous vat. This is the Schlieper and For a long time dyers and printers of certain indigo styles have been in the habit of dyeing the backs lighter than the face. It is probable that this practice originated in the wish to economic the same and printers and back shows a greater difference than with the Schaab method. As has been remarked the wish to economic the same and the sa tended to permit dyeing in the continuous vat. Nevertheless, they require constant watchfulness, and do not always give the same results, so that it is doubtful if they are regularly used even by the patentees.

The writer has devised the follow-The well-bleached ing method. pieces are dyed a light shade in the continuous vat. This finishes them, so far as the back is concerned. The face is then printed with a discharge reserve, and then padded with Modern Violet. For very fine de-signs, better results were obtained by padding with the blue first, and printing with the reserve after-wards. The discharge used is a chlorate prussiate one, as it acts equally on the dyed indigo and the padde blue.

10 lbs. Light Modern Violet. 10 lbs. Light Modern Violet. 5 lbs. Modern Blue CVI,

3 gal. water, 10 lbs. chromium acetate 24.B.,

15 lbs tannin (1:1), 15 lbs. Coeruleine print'g colro

The recipe for the Coeruleine color is as follows:-

94 lbs. Coeruleine powder. 5 lbs. bisulhite of soda.

50 gal. water, 1.050 lbs. thickening

100 lbs. acetate of chrome 24°B. This color fixes rapidly, and reserves with a good white. After seven to eight minutes' steaming, white. After the goods are passed through a bath soaped. The results are very fast to rubbing, washing and light, and look exactly as if they had been dyed solely with indigo. The white has naturally not the plasticity of that obtained with lead salt serves, but, on the other hand, it keeps its white during the finishing operations, which, unfortunately, whites on a ground of indigo do not always do.

The contrast between the two sides of the piece is excellent, and the color is perfectly back.-Translated by Textile Colorist from Revue General des Matieres Colorantes.

Anthracene Green.

Anthracene Direct Green B is a new product especially adapted to the dyeing of bluish tones of green on raw wool, slubbing, yarn, and piecegoods, besides being available for Vigoreux printing. This dye is claimed to be particularly washing, carbonizing and decatizing, and appears to be well suited for use on men's and women's goods, inasmuch as neither cotton or artificial silk shots are stained.

Supplement No. 54 just issued by the Cassella Color Company fully describes Anthracene Direct Green B besides showing a series of eight dyeings, and no doubt a copy may be obtained upon request.

His Benevolence.

"Good little boy," purred the benevolent old gentleman. kind act, though you didn't know I saw it. I saw you give your nice big apple to your little friend, and I noticed from your cheerful manadde blue. ner that you rejoiced in your gen-The following is the recipe, which erous deed."

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The final inspection which each one of our loom harnesses receives when finished is so thorough and critical that every harness which we send out may be depended upon as being as near perfect as it is possible to make it.

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"You bet," returned the angelic one, with a seraphic smile; but I jest wish I could see him bite into it I took out all the inside and filled it up with mustard and red pepper."-Ex.

W. H. BIGELOW

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DISCUSSIONS BY PRACTICAL MEN

Temperature of Mills.

Editor:

Any one who is actively engaged cotton manufacturing in the S uth knows that air cooling as well as moistening is needed today. There are weave rooms all over the South in which the temperature ranges from 93° to 100°, and in the majority of spinning rooms the temperature runs 100° to 108°. Under such conditions the vitality of the help is diminished and their efflciency greatly decreased. With such temperatures the windows have to be opened to allow a little air to circulate with the result that the relative humidity drops to such low point that the work runs bad. This added to the other troubles puts the mills in a rather bad plight.

Watchful Waiting to Uncle Silas.

Editor:

I want a few words in regard to Uncle Silas' article in the issue of last week in which he said he did not misquote me and quoted a part of my article to justify himself. The part of the paraghaph that he quoted in order to prove that I said that some spinners run their back rolls faster than their middle ones

is as follows:
"Everybody that knows anything about spinning, knows that when the roving winds around the middle roll, that the back roll is delivering it faster than the middle roll is collecting it."

stop your little nephew from read-ing before he finished? If you had let him finish it would have read like this:

"Everybody that knows anything about spinning knows that when the roving winds around the middle roll that the back roll is delivering it faster than the middle roll is collecting it, and the cause is in the middle roll alone. Either the bottom or top roll is out of order and should be looked after at once.'

I then went on and stated some the defects that would cause this. Why Uncle Silas, I can take the Bible and prove that there is no God by reading a part of it and leaving a part of it off, but we all know that a drowning man will clutch at a straw. Now your theory as to why cut staple does not cause the roving to wind around the middle roll in previous processes sounds good to a man who does not do his own thinking, and like the drowning man is always willing to clutch at straws. To the man that uses his own think-tank it does not sound reasonable at all.

Listen, your theory is that it does the carding because it has more them about 2-3 they last longer and this shaft. Gears on this shaft him, won't you?" stock to carry it. Now Uncle Silas, give better satisfaction. Keep a ought to last for years, but still "Certainly, my child," said the if your theory is correct, would not good watch for belt cutting, for the you have to change one every week stern parent; "I'll do him the kind-there be more short staple too, and lapper hands will say that they or two. Next time you have a est act I can. I'll tell him he can't therefore cause the same defect in have a belt that needs cutting, and worn-out gear, examine the calen-have you."—Ex.



Alonzo Her. Greenville, S. C.



Robert F. Bowe. Greenville, S. C.

Recently elected members of the Board of Governors of the Southern Textile Association.

the carding that you claim it will when you cut it and leave, nine cause in the spinning?

I will close now in order that I not try your patience and that of the good editor who is so kind as to give us a page in his valuable cut. paper for our benefit. I will again ask you to play fair and take "square deal" for your motto, as I have always done. I am a spinner also, and have never worked in the card room a day in my life, but I like to see all departments get a square deal.

Watchful Waiting.

Well Uncle Silas, why did you The Second Man's Duties on Lappers, Cards and Drawing.

In giving the second man's duties on the lappers, cards and drawing, I will start at the lapper. First of all is proper oiling. The lapper should be oiled all over every day, and the fast running parts twice a day. The second man should see that this is done. For good results the beater boxes should be wiped off morning and noon. What I mean is inside the casing where the The second hand beater runs. should watch his evener belt racks and see that they act promptly. The belt should be endless. I find that they give better satisfaction for the short turns they have to make. The fan suction should be closely watched and cleaned out twice a day. The second hand should also watch the lapper tenders to prevent the loger head from breaking and the lap pins from binding. This can be prevented by seeing that no extra waste is tied on, or that no belt dressing is put on the brake as this will cause loger heads and lip pins to break and bend. I not wind around the middle roll in find for setting gears, if you set the carding because it has more them about 2-3 they last longer and

beater is burning up and when you find the cam, it is the one that you

Now I will have something to say about the card. This is a very important piece of machinery should have a great deal of attention. Here you will find that if the work is not done accurately, that it cannot be mended. The grinder should watch the settings very closely and see that the jam nuts are good and tight. When he moves one end right and then leaves it for you, you will find that if you move one end ,it will work on the other. either on or off. He should watch the cone boxes carefully for wrecked cone box is very unsatisfactory. Boxes should have proper factory. Boxes should have properly oiling. I find that non-fluid oil is best for cone boxes. I have known grinders to walk around rattling boxes all day even when the overseer called their attention to it. I have seen grinders who would get on the box pulleys with their feet and tighten the bands so tight that it would take a steam engine to move them. If your cones are true, this is not necessary, if they are not it will make them bind and harder to pull, and therefore cause bad boxes.

It is true that some mills are a ly used because there is less lifting little backward about supplies, but of the warp in the cross shed, but you can hardly blame them. The the cloth is then woven side up. grinder can take the eccentric on the cone box and if he had it as accurate, how long will it last. Take the upright shaft from the table to the card head and see how often is coming tonight to ask your con-you have to change worn gears on sent to our marriage. Be kind to this shaft. Gears on this shaft him won't you?" ought to last for years, but still "Certainly, my

dar roller shaft and-see if it is true with the upright shaft. Most of the trouble is found right here. Now about the setting. Different overseers have different ideas about setting. I am on hosiery yarns, making from 8s to 20s and I set my nats to a 9. When I say 9, I mean and not say 9 and set to a 12. I set my doffer to cylinder to a 7, my feed plate to a 10, which I find gives good results for all numbers. I set mote knives as close as I can get them without rubbing. seen flyings after you take them out of the card that had to have the white cotton picked from This is due to poor setting of the creels. They should be watched as closely as the clothing on the doffer and have the proper settings at all times.

Cotton Spinning Examinations.

(Continued from Page 7.)

carrying the crossed ends to bring the latter to the centre of the shed at the moment when the descending doup ends arrive at the same point; times out of ten, they will come whereupon the crossing can easily back and say that the bearing on a be effected. Open shed dobbies are be effected. Open shed dobbies are not easily adopted to the circumstances, because it is not possible to "shake" the crossed ends a full shed, hence they are not often used for gauze weaving. One method of adopting them consists of using two jacks for the doup shaft, and pegging one to rise and the other to fall. This has the effect of reducing the motion to the principle of the centre shed. It should be noted that "shakers" are only required when cross and open sheds have to follow each other on consecutive picks. In bottom doup shedding open sheds are obtained by lifting the doup and the back standard; and crossed sheds by lifting the doup and doup standard. With top doups open sheds have the doup standard and the back shaft which carries crossed ends lifted, while the cross sheds have both back shafts lifted. eners" are us "Easers" or "slackare used to move the doup ends forward at the time when a cross shed is being formed to ease the strain upon the warp. ers" have already been mentioned. Doups are placed above the warp in top doup weaving, and below in bot tom doup weaving. The selection of one or other is chiefly determined by the style of pattern and the shedding motion to be used. With in-Now some one will say that he to arrange, and the cloth is woven does not see how he can run his face side up. With outside tappets job with nothing to keep it up with. and dobbies bottom doups are chief-With outside tappets

Thhe Kindest Action.

"Papa," said the daughter, "Jack

SOUTHERN TLE BULLE

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D. H. HILL, Jr. Associate Editor

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THURSDAY, JULY 16

Textile Work Course.

Southern Cotton Mills.

During the past session the Tex-

ranged in pairs and were given the industry. jobs in the mills at Raleigh. One man would work in the mill one ways include mills under construcweek while his partner was in the tion and also mills that are idle and recently had the following to say textile school and the next week are therefore slightly in excess of his partner would fill the place in the actual number of spindles and tile school.

By this system young men who crease in the total. have no funds are able to get a textile education as the amount they Clark's Directory of Southern Cot- Charlotte next April. earn at the mill is about enough for ton Mills shows that including the

ing the past and we are advised by statistics for the South: Prof. Thos. Nelson, Director of the Textile Department, West Raleigh, N. C., that it will be in effect next session if a sufficient number apply.

It is a splendid opportunity for ambitious young men of limited will take advantage of the offer.

Every six months we publish a tile Department of the A. & M. Col- new edition of Clark's Directory of lege at Raleigh, N. C., operated what Southern Cotton Mills and when we is known as a "work course" for compile the statistics contained needy young men from the mills. therein we find that there has been In this course the men were ar- a steady and continual growth of

> The statistics which we give aleach issue there is a marked in-

their expenses at the textile school, mills and additions under construc- ganizations complicates matters in This plan worked very well dur- tion the following are the correct one sense and clears the situation

Cotton mills	765
Capital stock	217,743,000
Number of spindles	13,416,952
Number of looms	281,468

means to obtain a textile education Southern cotton mills are capitalized city next year, there seemed reasonand we hope that a large number ed at \$16.23 per spindle as against able grounds for a careful considing the interests of that important industry. Mr. Odell will probably an estimated cost of \$21.00 per eration of the matter, with consider- sail within three or four weeks.

over, capitalized.

in number of mills, having 317 as of the big Southern city. against 157 in South Carolina and 4,745,528 as against 3,913,466 in North Carolina.

are as follows:

Ave. No.	Spindles
Alabma	17,400
Georgia	16,200
North Carolina	
South Carolina	30,000

The number of new mills has been greater during the past six misinformed. The Southern Textile months than during any similar Association did not endorse the holdperiod in the past two years, but ing of the Textile Machinery exthe policy of increasing the size of hibit in Charlotte or at any specified existing plant rather than launch- point, but they did strongly endorse be in effect and most of the new in the South. mills, while separate corporations, will be operated by the manage- lanta and Charlotte over the textile ment of old mills. Judging by the machinery exhibit. Both want it, short of 500,000 and if business im- extra proves in the fall that figure may chinery and supplies know that the be exceeded.

spindle and are under, rather than able sentiment in favor of Atlanta. Then there was not thought but North Carolina continues to lead what there was unanimous approval

But the action of the North Car-139 in Georgia ,but South Carolina olina associations presents the matleads in number of spindles, having ter in an entirely different light, and basing an opinion on the number of mills within easy distance, we The average number of spindles should say that Charlotte was more per mill in the four leading states entitled to a show than is Atlanta. The probable outcome will be, that neither place will be chosen, and that the next textile show under the auspices of the Textile Exhibitors Association will be held in Boston in

Our Boston friends seem to be ing new corporations continues to the holding of a machinery exhibit

There is no quarrel between Atfirst six months of 1914 we estimate but both are primarily interested in that the increase of spindle in the securing the exhibit for the South South during 1914 will not fall far and which ever loses will boost the exhibit when it is held at the other The manufacturers

Southern Cotton Mill Statistics of July 1st, 1914.

No. 1		Cap. St.	Spindles	Looms
Alabama	64	\$18,525,000	1,110,842	20,000
Arkansas		215,000	14,362	164
Georgia	139	36,220,000	2,256,988	43,303
Kentucky	8	1,665,000	98,308	1,357
Louisiana	4	1,900,000	81,500	2,304
Mississippi	19	2,823,000	187,672	4,841
Missouri	3	750,000	42,152	988
North Carolina		58,650,000	3,913.466	64,738
Oklahoma	1	227,000	5,712	
South Carolina	157	75,975,000	4,745,528	114,827
Tennessee		5,143,000	316,444	11,747
Texas	17	2.725,000	124,692	3,195
Virginia	13	12,725,000	519,286	14,004
Total	765 8	8217,543,000	13,416,952	281,468

The Textile Machinery Exhibit.

Fiber and Fabric of Boston, Mass., editorially:

"North Carolina cotton manufacthe mill while he attended the tex- looms in actual operation, but in turers and the Southern Textile Asbled, passed resolutions favorable to lotte The July 1st, 1914, edition of a textile machinery exhibition in

> The action of the two southern oron the other hand, as it is quite frequently the case, that a divided movement fails in accomplishing the desired result.

When the Atlanta boomers at the textile show presented their facts Indo-China, These figures show that the and arguments for a show in their

South is the best market for their products and they know that an exhibit in the South will be of more real benefit to them than one in Boston.

The South wants a textile machinery exhibit and one should be held sociation, each in convention assem- in 1915, at either Atlanta or Char-

Far East Markets For Cotton Textiles.

The Bureau of Foreign and Domestic Commerce of the Department of Commerce is about to send one of its commercial agents, Ralph M. Odell, an expert on cotton matters, to the Orient, India, Straits Settlements, Java, Sumatra, French Australia and Zealand, to study markets for cot-



YOUR DEALER SELLS **Albany Grease**

ALBANY LUBRICATING CO.

NO CHARGES-Write now

PERSONAL NEWS

- J. P. Eller has resigned as second hand in weaving at Alta Vista, Va.
- B. F Spears has resigned as superintendent of Marlboro Mill No. 4, McColl, S. G.
- G: C. Guin of Winston-Salem, N. Erlanger Mills, Lexington, N. C.

has accepted a position at Siluria,

Lindsay Loftin has accepted a po-sition with the Wiscassett Mills, Albemarle, N. C.

- C. D. Long, of Anniston, Ala., has accepted the position of time-keeper at the Lowe Mill, Huntsville, Ala.

- E. W. Netherland has resigned as overseer of carding and spinning at the Fort Mill (S. C.) Mfg. Co. No. 2.
- W. I. Henson has resigned as overseer of one of the card rooms at
- spinning at the Cannon Mills, Con-

Jas. Rhodes has resigned as second hand in carding at the Eva Jane Mills, Siluria, Ala.

- T. J. Burrell has resigned as slasher tender at Victor Mills, Greer, S. from second hand to overseer C., to accept a similar position at the spinning at Loray Mills, Gastonia, N. C. Greensboro, 1
- overseer of cloth room at the Cara-leigh Mills, Raleigh, N. C., and moved Mills, Mooresville, N. C. to Union, S .C.
- mer City, N. C., was on a pleasure cept one at the Kershaw (S. C.) Cottrip to Edgemont, N. C., last week. on Mills.

- L. A. Tatum of Laurinburg, N. C. has been elected president and is now overhauling spinning at the treasurer of the Dillon Mills at Dil- German-American Mills, Draper, lon and Hamer, S. C.
- McColl, S. C.

 C. B. Armstrong, president of the H. B. Burns has resigned as gendral of the H. B. Burns has res
 - W. C. Hamrick, treasurer of the
- Chas. Doby of Lexington, N. C., J. T. Davis, formerly of Liberty, has accepted a position with the S. C., has accepted the position of Wiscassett Mills, Albemarle, N. C. overseer of weaving at the Cowpens (S. C.) Mfg. Co.
 - L. W .King of Rock Hill, S. C., has accepted the position of overseer of carding and spinning at the Fort Mill (S. C.) Mfg. Co. No. 2.
- R. M. Threadgill has been pro-—. —. Flowers has been pro- moted from second hand to over-moted to second hand in spinning at seer of the cloth room at the Eva the Pomona Mill, Greensboro, N. C. Jane Mills, Sylacauga, Ala.
- N. W. Garner has resigned as T. E. Hendrix of Union, S. C., has Loray Mills, Gastonia, N. C., to be-overseer of weaving at the Cowpens accepted the position of overseer come second hand in spinning at (S. C.) Mfg. Co. Cherokee Falls, S. C. Cotton Mills.
 - J. F. MacEnroe, assistant treasurer of the Ware Shoals (S. C.) Mfg. Co., has gone North on a three weeks vacation.
 - J. E. Simpson, formerly overseer F. R. Shepard is now overhauling of weaving at Lindale, Ga., is now engaged in the motion picture business at Gastonia, N. C.
 - Joe P. Hassell of Hillsboro, N. C., has accepted the position of over-seer of cloth room at the Caraleigh Mills, Raleigh, N. C.
 - Will Pettigrew has been promoted Pomona Greensboro, N. C.

Geo. W. Dearman has been trans-J. E. Mahafee has resigned as ferred from master mechanic

Wm. V. Dilling has resigned his R. F. Coble, superintendent of the position in the office of Leroy Atlas, Huss and Osage Mills, Besse-Springs at Lancaster, S. C., to ac-

A. F. Voigt, the vice-president of W. L. Smith has resigned his pothe Arabol Mfg. Co., N. Y. City, resition at the Columbus (Ga.) Mfg. second hand in carding at the Buck turned on the steamer Imperator Co., to become second hand in Greek Mills, Siluria, Ala., to accept last week from an extended trip to weaving at the Eva Jane Mill, Sylacauga, Ala.

Mills, Sylacauga, Ala.



H. G. Leigh has been transferred from overseer of weaving to overseer of sample department at the Alta Vista (Va.) Mills.

Alex Hutson of Selma, Ala., has accepted the position of second hand in card room at the Buck Creek Cotton Mills, Siluria, Ala.

G. W. Huffinger, of Danville, Va., N. C.

Joe Matthews has John Curwen of Demopolis, Ala., Hamrick and Limstone Mills, Gaff- overseer of carding and spinning at some time, is expected back about as accepted a position at Siluria, ney, S. C., is spending his vacation at the Glenola Mill, Eufaula, Ala., and August 1.

Blowing Rock, N. C. accepted a position with the Daw- OVERFLOW PERSONALS PAGE 16. son Cotton Oil Mill, Dawson, Ga.

> Daniel Schofield, overseer carding at the Lawrenceville (Ga.) Mfg. Co., was called to Atlanta last week by the death of his motherin-law.

> Ralph Hamilton, formerly overseer of carding at the Lowe Mills, Huntsville, Ala., has accepted a similar position at the Appalachian Mills, Knoxville, Tenn.

- J. H. Neal has resigned his position as overhauler of spinning at the
- W. B. Sinclair nas resigned C.) Manetta Mills, Lando, S. C., to accept a similar position at the Jackson Mills, Monroe, N. C.
 - N. L. Whitten has resigned as overseer of weaving at Pelham, Ga., to accept a similar position at the Harmony Grove Mills, Commerce,
 - W. F. Campbell has resigned as overseer of spinning at the Dixie Mills, Mooresville, N. C., to accept a similar position at Mills, Lexington, N. C. similar position at the Nokomis
 - D. R. Warlick has resigned as overseer of carding at the Bellwill Mills, Wilmington, N. C., and has moved to Kinston, N. C. His employees presented him with a handsome present before leaving.

Jas. Airy has resigned as overseer of weaving at the Eagle and Phenix Mills, Columbus, Ga., cept a similar position at the Alta Vista (Va.) Cotton Mill.

- H. R. Cain has resigned as slasher tender at the Loray Mills. Gastonia, N. C., and moved to Asheville, N. C.
- Z. M. Floyd, superintendent of the Pelham (Ga.) Mills, has been on an automobile trip to Prattville, superintendent of Ala., while the mill was idle for a week's vacation.
- G. P. Pruett has resigned Draper, overseer of cloth room at the Merrimack Mills. Huntsville, Ala., to accept a similar position at the Monaghan Mills, Greenville, S. C.
 - C. Seizt, the secretary and treasurer of The Arabol Mfg. Co., New York, who has been in Europe for

Peck Mfg. Co.,

Warrenton, N. C.

D. M. Crump Super	intendent
W. M. Woodleaf	Carder
M. C. Ewing	Spinner
E. L. KnightMaster	Mechanic

Walton Mill.

Monroe, Ga.

W. G. McDonald Superintendent
H. A. Coker Carder
Jess Coker Spinner
R. R. McCraw Weaver
P. H. HutchinsCloth Room
W. L. DurenMaster Mechanic

Wallace Mill,

Jonesville, S. C.

G.	H.	FairbanksSuperi	ntendent
J.	H.	Vonhollen	Carder
L.	N.	Chandler	.Spinner
J.	E. A	Meyers Weaver and C	loth Rm
J.	A. :	Kirkpatrick. Master 1	Mechanic

Lockhart Mills,

Lockhart, S. C.

J.	W.	AhmutySuperintendent
L.	H.	HallmanCarder
J.	E,	LattimoreSpinner
L.	D.	Lockman
		Ross
I.	M. 1	Burdett Master Mechanic

Union Mills.

Union, S. C.

Н. К.	Drew
	SullivanCarder
R. H.	WilliamsSpinner
	Williams
W. C.	CulbersonCloth Room
W. L.	West Master Mechanic

MILL NEWS ITEMS OF INTEREST

Tulsa, Okla.-Tulsa Commercial Club is negotiating for construction and equipment of linen mill.

Lanett, Ala.-It is reported that the Lanett Cotton Mills will install considerable additional machinery.

Griffin, Ga.-The Rushton Cotton Mills will increase their equipment by the addition of 5,000 spindles.

Lindale, Ga.-A small fire discovered in the cloth room of the Massachuetts Mills Friday night at 8:30 o'clock. The watchman found the smouldering fire, and turned in the alarm. The damages was about

· Dillon, S. C.—The vacancy caused by the resignation of J. W. Lanas president and treasurer of the Dillon Mills Co., has been filled by the election of L. A. Tatum of Laurinburg, N. C. Mr. Tatum was formerly bookkeeper for the Dillon

Birmingham, Ala.—The C. L. Seat Shirt Co. is the name of a new shirt factory to be started here. It will manufacture shirts for the consum-er, selling directly to the wearer, and will employ about 15 people.

Greenville, S. C .- All the cotton mills in Greenville and vicinity will close down Friday, July 31, and resume operations August 10. This is the annual 10-day vacation and it will doubtless prove a pleasant one for the operatives, who will endulge in picnic, baseball and other outdoor attractions during the time.

Rock Hill, S. C .- The transformer house of the Southern Power Co. at the Manchester Mill was struck by lightning during the storm last week and put out of commission. means that the Manchester Mill and the Highland Park Mill had to close down, and will probably remain shut down for a week or ten days. The period of the shut-down depends entirely upon the ability of the Southern Power Company to repair the damage and start the current working.

Goldville, S. C .- Shand Engineering Company of Columbia, has furnished the plans for the enlarge-ment of the Banna Manufacturing company's cotton mill at Goldville, construction of which is progressing. A brick building 144 by 25 feet, and ten cottages fo roperatives are being erected at a cost of about \$10,000 and upwards of \$30,-000 is being expended on the purchase of preparatory machinery, including 4,096 spindles, 96 looms and five cards. The new floor space will be about 5,000 square feet. The Banna Mill now employs 120 operatives and its mechanical equipment comprises 10,128 spindles and 256 looms.

started on construction of founda- has been vacant for several years tion of the plant for Columbia is being torn away, except the mill Woolen Mills, and work will be hur- office part of the building. The ried as much as possible.

Frostburg, Md .- The Parker Hosiery Mills will increase their pro-duction by installing 10 additional knitting machines, and will later increase this number to 40.

Augusta, Ga .- According to a report the Augusta factory will close down on July 1st, to remain closed for a period of 30 days.

It is stated that it is customary at this time of the year for cotton goods manufacturing plants to experience a slump in business but this year the slump has been greater than is commonly the case, it is on account of this drop-off in business that the Augusta factory will not run for a month, after the

Martinsburg, W. Va.—Receivers were appointed by Judge R. W. Dailey at Romey for the Crawford Woolen Mills Company of Martinsburg. The liabilities are placed at \$100,000, with assets of about the labor. same amount. The mill has been All in operation twenty years and employs 300 persons. The receivers are G. M. Bower, H. H. Emmert, Martinsburg, and H. P. McCormick, Winchester.

Hagerstown, Md.-The local mills of the Antietam Knitting Co., manufacturers of men's half hose, were practically destroyed early Saturday morning by lightning and fire. The loss is said to be about \$75,000. The best part covered by insurance. Two hundred modern machines had recently been installed in the buildings, and most of these were destroyed.

The Autletam Knitting Co. operates a branch plant at Hanccok, Md. suffered a heavy loss in similar manner -everal weeks ago.

ing, formerly used as a company be piped through the village.

Columbia City, Ind.-Operations store for the mill operatives, which street at that point will be straightened and the gin house will be erected just opposite the office.

Machinery of the latest improved type has been bought and work on the building will be pushed forward rapidly. It is expected to have the ginnery ready for the early fall cot-

The Ivey Mills.

Quite a number of improvements have been made around the Ivey Mill, Hickory, N. C., both in the mill and the village within the past few months, and according to the plans already laid down there will be many changes within the next month or so. The mill has recentthe next ly been painted on the inside from top to bottom, and all the woodwork on the outside been retouched or repainted. All the machinery has been overhauled and put in perfect running order, and with these additions is now able to do the same amount of work with less

All the cottages in the village have been repainted and each one will be painted during the fall. When the mill was first built a plot of ground, which is now a nice oak grove was left for the purpose of a park, and the company expects to begin work this fall towards making this a place of amusement and recreation for the operatives. A band stand and pavillion will be built in the center of the park and walks leading to it will be laid out through the grove and grass plant-ed in the vacant spots. It is the intention of the company to encourage the raising of flowers next year by offering some lucrative prizes to the ones who produce the best varieties.

The Windsor Knitting Mills, also H. W. Warner, who was for a this place, it will be recalled, number of years with the Chadwick-Hoskins Company Charlotte, superintendent of the Ivey waxnaw, N. C.—The Rodman er improvements. One of Heath Cotton Mill is preparing to things put down for attention put a ginnery plant in operation early as the funds will permit this fall. The old merchantile build—deep well from which watering, formerly used as a property used as a property used as a property used as a property used. Mill, is planning ahead for oth-

We will be pleased to send to the one responsible for weave room costs a sample of the shuttle we believe the most economical for you to use. Simply send us a worn shuttle and a full filling bobbin such as you are now using. The worn shuttle will explain your needs to us quite clearly. We'll write you fully explaining our shuttle. This service is free. You assume no obligations.

WRITE TODAY SHAMBOW SHUTTLE COMPANY

Woonsocket, R. I.

Walter M. Sharpless Dead.

Walter M. Sharpless, senior member of the well-known cotton yarn house of W. M. and F. W. Sharpless, 126 Chestnut street, Philadelphia, died on Sunday, July 5th, at his summer home at Media, Pa. Death was due to heart disease.

Mr. Sharpless had not been active in the business for the last ten years, but he was widely and very favorably known in the South.

W. P. Barnes Recovered.

The many friends of W. P. Barnes, superintendent of the Griffin Mills, will be glad to learn recovered from the that he has wounds received when he was severely cut by a mill operative a few ks ago.

It was reported at the time that he was mortally injured but for-tunately his wounds were not so serious and he has recovered sufficiently to return to his office.

Jas. McDonald Dead.

Jas. McDonald, one of the oldest cotton manufacturers in the South, died at Charlotte last week.

He has been engaged in manufacturing practically all of his life and died at the ripe age of 77 years.

Not only was he a cotton manufacturer himself, but he raised his sons in the business. W. J. Mc-Donald is superintendent of Walton Mills, Monroe, Ga.. C. D. McDonald is overseer of spinning at the Durham Hosiery Mills, Dur-ham, N. C., and J. R. McDonald, is superintendent of the Charlotte

Cotton Fiber Co., Charlotte, N. C.
Jas. McDonalc was a man of the
highest character and his many friends will regret to learn of his death.

A Few Optimists.

R. B. Knox, secretary and treasurer of the Newton and Clyde Cotton Mills, tells us that, although there carly as the funds will permit is a duction this summer, business deep well from which water will been better than in any summer since 1906. The weaving business has been some curtailment of prohas been much better than they have ever known it since the mills put in looms. He looks for a very pros-perous year during the next 12 months.—Newton (N. C.) Enterprise.

> Much capital has been made of reported curtailment in the cotton industry, and woeful prognostications of the closing of mills for more or less extended periods have had more publicity than the facts of the case would warrant. A review of the sit-uation shows the present condition of the major part of our mills to be much better than these prophets of gloom would have us believe. Curtailment is not sufficiently uncom

mon as to be worthy of intended notice unless it develops to an abnormal extent, which is not the case at present. In fact it is not so prevalent nor is it as great as his oc-curred at this season in any one of the past six years.—Cotton and Wool Reporter.

Washington , July 9.—Optimistic views of business conditions were presented to President Wilson today by Henry Ford, the Detroit manufacturer, during an hour's conference at the White House. Mr. Ford told the President he saw no evidences of any sort of business depression, psychological or otherwise, and said that in his opinion business was getting better all the time. "The only trouble is," Mr. Ford

said, "that some people seem pessimistic. If everyone would only cheer up and attend to their business, this calamity talk would stop immediately.'

the Considerations Influencing Counts of Travelers.

Yarn spun from combed cotton, all other circumstances being equal, necessitates the use of travelers two to four counts heavier than for carded yarns. The working of harsh stapled cotton should also be accompanied by employing heavier travelers than for softer cotton. Ring frames provided with separators, which limit the amount of hellocains described to the contract of of ballooning, demand lighter travelers, depending to some extent on the type of separator employed. This fact is of superimportance in connection with soft-twisted and fine yarns. Lighter travelers are also required for yarns spun from heavily drafted roving. In some instances coarse yarns spun from cotton of poor quality require lighter travelers than do finer counts spun from very good cotton. All conditions being equal, such as counts, turns per inch, etc., heavier travelers are necessary for Egyptian and Sea Island yarns than for Indian and American yarns. Large and execessive roller drafts at the ring frame call for lighter travelfrom double roving will stand a heavier traveler. When selecting heavier traveler. When selecting travelers for ring frames driven at a constant speed, the tension erted on the yarn by the travelers must not exceed that which prevents an excessive number of ends breaking down when winding on the minimum diameter of the bobbin. Therefore, a lighter traveler may be requisite in some cases compared to a ring frame driven at a variable speed. The blending of old and new crops of cotton can unavoidably cause an alteration either the turns per inch or the counts of traveler, as also will cotton when unsatisfactorily dealt with in the processes preceding the spinning department.

WILLIAM FIRTH, President



The following letter was written to one of our foremen:

We have now had the Turbo-Humidifier in operation nearly three months, and I take pleasure in testifying to the efficiency of the same.

We have had no trouble whatever with the system during this time, and your own personal work upon the job was most excellent.

I have had experience with nearly all of the standard types of humidifiers, but the Turbo in my opinion excels at every point. I firmly believe that it is a direct saving of nearly 3 per cent. in the matter of invisible waste, besides enabling us to use stock that heretofore was unavailable and valueless. Our spinners run more sides, thereby increasing the individual earnings. The Turbo practically cares for it-self and needs little or no attention, after being properly adjusted.

THE G. M. PARKS CO.

Fitchburg, Mass.

Southern Office Commercial Building, Charlotte, N. C. J. S. COTHRAN, Manager.

THE "STANDARD"

BALING PRESS



FOR

COTTON MILLS

AS MADE BY

Boomer& Boschert Press Co.

No. 104 West Water St.

SYRACUSE, N.Y.

SEND FOR CATALOG

Consequently upon a mill having found, in their opinion, a reliable of satisfactory travelers, is decided advisable to purchase regularly all requirements in travfrom that maker. however, the same mill buys travelers from two or more makers, steps ought to be taken to ascertain whether each maker adopts the same method of arriving at the counts. By weighing, say, 100 travelers of each count on grain scales, weights of different can be easily obtained and compar-ed. If the weight of equal counts varies with the different makers, the extent of variation requires remembering when deciding on the counts of traveler to employ in connection with spinning any certain counts of yarn. The principal traveler makers appear to be more universal than formerly in deciding the counts of travellers. The act-ual weights of 100 travellers of various counts are indicated in Table At least two of the principal makers of travelers adopt about these weights.

Previous to placing new travel-ers on the rings the retarding effect of the very slight "burr" on the traveler points can be somewhat neutralized by immersing the travfor a few hours in very light oil. For this purpose a shallow tray is very serviceable. Then drain off the oil. To reduce the undesirable practice of some operatives placing travelers in their mouth, a mixture of very light oil and a little quantity of some harmless unpalatable ingredient may be employed. ring frame ought to have a separ-ute suppply of travelers, so that the spinner will have no need to obtain new travelers from any other source than the frame the travelers are required for. Spinners ought not to be permitted to pick travelers up from the floor and use them.—Textile Manufacturer of Manchester, Eng.

R. M. Miller, Jr., Offers Scholarship.

R. M. Miller, Jr., president of the Elizabeth Cotton Mills, has established a scholarship in the Textile Department of the A. &M. College, at West Raleigh, N. C. This scholar-ship, which covers tuition, will be available to some young man who desires a textile education, but has no funds.

Untranslatable.

Mr. Brown had just registered and was about to turn away when the hotel clerk asked:

"Beg pardon, sir, but what is your name?

'Name?" said the indignant guest. "Don't you see my signature there on the register?"

"Yes, sir," answered the clerk lmly. "That is what aroused my calmly. curiosity."-Ex.

MOISTENING COMPANY AMERICAN

BOSTON, MASSACHUSETTS

FRANK B. COMINS, Vice-Pres. & Treas. THE ONLY PERFECT SYSTEM OF AIR MOISTENING COMINS SECTIONAL HUMIDIFIER

JOHN HILL Southern Representative, Third Nat. Bank Building, ATLANTA, GEORGIA

Cotton Goods Report

fers on goods for delivery through pretty well employed through Septo the end of the year were numer-tember.

Ous, and while some buyers are Prices on cotton goods were quotcontinuing their efforts to secure ed in New York last week as folconcessions, others are covering at lows: current levels, after having tested Print the price situation.

The leading gingham houses now have their spring line ready and a great deal of interest is being shown in the openings. The ques-tion of prices on these lines is the subject of much discussion, and it generally conceded that will not be named when the lines open, but will be kept back until later. Staple prints have been moving steadily. It is said that a great deal of the business of the larger printing companies is going over to percales. Business which heretolore dealt with staple prints now on fancy prints, the past season having seen a large variety of these goods. This could hardly be called a gingham year, but it is thought that the larger houses have secured a normal volume of trade. Bleached sheetings of well known brands have a satisfactory advance business and prices show an up-ward tendency. Other goods of this kind are firm. The market or coarse colored cottons, such as denims and ticking, is firm though quiet.

Trading remained quiet in the Fall River print cloth market las week, although there was some in crease in the total volume of sales. The increased business came as result of a slight shading of prices The total sales were estimated a about 125,000, about one-third o these being spots. The sales of the week were made up mostly of wide and medium width goods, spots and nearby deliveries. The deliveriewere generally for August and September. Concessions amounting to tember. Concessions amounting to a sixteenth of a cent were granted on odd styles in general. Most of the trading during last week was done on a concession basis. Stan-dard goods have not been sold a reductions, though little business has been done on them.

Cloth has been in better deman for printing and converting that for a month or more past. Buyer find that prices are pretty stiff an while they are bidding freely the are unable to secure 4-yard 8 squares at 6 3-4c. Some sales a 6 13-16c. have been made for lat delivery and more will be bought a that figure if there are any seller Most mills want 6 7-8c. On 68x72 the market is now firm at 5 5-8 and sales have been made in fa volume for late delivery. On 38 1-inch 64x60s the market is very firm at 4 7-8c. for anything this side of October, and some mills are turning down business at a slightly higher figure. On 60x48s the market is no firm with most mills asking 4 5-8 and some sales reported at 4 5-16 for late delivery. Narrow goods

New York.—Staple cotion goods are quiet. On 40-inch plain comb-held firm last week, and the out- ed yarn fabrics the market seems look for the future is better. Of- to be hardening as many looms are

	Print Ciota 28-111 std 3	3-4	-	
	28-in, 64x60s 3	1-2	1	
	4-yard, 80x80s 6	7-8	7	
	Gray goods, 39-in, 68x72	es 6 7	1-8	-
i j	Gray gds, 39-in, 68x72s 5			
	38 1-2-in, std 5		5	1-4
	Brown drills, std 8		-	
	Sheetings, So. std	8	-	
	3-yard 7			
	4-yard, 58x60s 6		_	
	4-yard, 48x48s 5	3-8	5	1-2
	4 1-2-yd, 44x44s 5	3-4	22	
	5-yard, 48x52s 5		-	
	Denims, 9-ounce14		17	
	Stark, 9-ounce, duck. 15	1-2		
	Hartford, 1-oz, 40-in			
	duck	1-2		
	Ticking, 8-ounce13			
	Standard, fancy print			
	Standard, ginghams 6	1-4	100	
	Fine dress ginghams. 9		9	5-8
	Kid finished cambries 4			

Hester's Weekly Statement.

	In sight for week	32,000
S	In sight same seven days	
n	last year	27,000
S	In sight for the month	43,000
h	In sight same date last	
	year	39,000
e	In sight for season	14,347,000
	In sight same date last	
	year	13,637,000
-	Port receipts for season	10,359,000
8.	Prt receipts same date	
a	last year	9,833,000
8.	Overland to mills and	
t	Canada for season	1,146,000
f	Overland same date last	
e	year	1.078.000
e	Southern mill takings for	
d	season	2,782,000
8	Southern same date last	2,102,000
-	year	2,634,000
0	Interior stocks in excess	2,004,000
d	of Sept. 1	60,000
of	Interior last year	91,000
lS	Foreign exports for week	23,000
l=		20,000
ut	Foreign same seven days	26,000
88	last year	8.762,000
55	Foreign for season	0,702,000
	Foreign same date last	0 900 000
d	year	8,368.000
n	Northern spinners' tak-	
'S	ings and Canada for	0.000
ıd	week	8,000
y	Northern same seven days	45 000
30	last year	15,000
at	Northern for season	2,493,000
te	Northern to same date	2 702 702
at	last year	2,532,000
S.	Total since Sept. 1	13,376,000
28	Statement of world's vis	ible supp-
c.	ply:	
ir	Total visible this week	3,690,000
-2	Total visible last week	3,846,000
m	Total visible same date	
of	last year	3,095,000
ng	Of this the total American	
er	this week	2,015,000
W	Of this the total Ameri-	
sc.	can last week	2,128,000
ie.	Of this the total Ameri-	
ds	can last year	1,742,000

THE DOUBLE BURNISHED OR DIAMOND FINISHED RIBBED RING WHITHSYILLE MADE BY THE WHITINSVILLE SPINNING RING CO. MASSE THE BEST THAT EXPERIENCE CAN PRODUCE, THAT MONEY CAN BUY



WE MAKE THE BEST

and Twisting

TRAVELERS

AMOS M. BOWEN, Treas.

Southern Representative MATTHIAS OUSLEY, Jr.

GRINNELL WILLIS & COMPANY

44-46 Leonard Street, New York

SELLING AGENTS

BROWN AND BLEACHED COTTON GOODS FOR HOME EX-PORT MARKETS

RICHARD A. BLYTHE

Cotton Yarns Mercerized and Natural ALL NUMBERS

505-506 Mariner and Merchant Building

PHILADELPHIA. PA.

The Desirability of the South

as the place to manufacture cotton goods is illustrated in the increase of 67% quoted by census department. We can offer attractive situations for those desiring to enter this field.

J. A. PRIDE

General Industrial Agent, Seaboard Air Line Railway

NORFOLK, VIRGINIA.

IMPROVED INMAN AUTOMATIC BANDING MACHINES

COLE BROTHERS

PAWTUCKET, R. 1.



The only automatic machine in the world for making loop bands for spinning frames. Superior quality of bands without any cost of making. All bands exactly alike and no stretch of bands after they are put on. Saves child labor.

Also Beaming Machine to beam on to slasher beams.

The Yarn Market

Philadelphia.-The yarn market was quiet last, week, this being in a large measure to the fact that many mills took advantage of the Fourth of July holiday to close their plants for a week or more in order to make needed repairs and to take stock. There was not much demand for yarn and prices were irregular. were irregular.

A carded yarn hosiery manufac-turer said that he could see nothing in the situation to cause alarm Dealers are working for business for September and later delivery and several sales were reported made on the basis of 19 1-2 cents for 10s Southern frame spun cones. Sales for quick delivery were made on the basis of 20 and 20 1-2 cents for 10s. Eastern frame spun carded cones, sold on the basis of 20 1-2 and 21 1-2 cents for 10s, for quick delivery.

Combed yarns, with single and two-ply are quiet. Hosiery manufacturers, who use single combed yarns, are buying only enough to fill in their needs.

Two-ply combed yarns are quot-ed and sold, in small quantities, at Southern Frame Spun Yarn on Cone: a variety of prices: 40-2 sold for 37 to 41 cents; 50-2 on cones, 42 to 45 cents; 60-2 on cones, 47 to 54 cents, and 70-2 on cones, 68 cents. While a good many hosiery men say mercerized yarns are dead there is a demand for them on spots. Makers of artificial silk hosiery buy 50-1 to 80-1 mercerized on cones for backing. Sales of 50-1 were made for 51 and 52 cents; 60-1 sold for 60 cents, and 80-1 sold for 82 cents. A sale of 60-2 mercerized on cones was made for 59 cents, and some dealers are quoting 63 cents. There is a scarcity of imported 100-2 and finer mercerized. Some knitters of mercerized goods are experimenting with carded yarn mercerized for cheap lines of mercerized hosiery.

Southern Single Skeins.

	-	
88	 	18 -19 1-2
10s	 	19 -19 1-2
	 	19 —20
148	 	20 -20 1-2
168	 	20 1-2-21
		21 1-2-
268		23 —
30s	 ******	25 -25 1-2

Southern Two-Ply Skeins.

		Assessment of the supplied of the last of	
48	to 8s		18 1-2-19 1-2
10s			19 -19 1-2
128			19 —20
148			20 -20 1-2
168		1	20 1-2-21
20s			22 —
248			23 -23 1-2
268			23 1-2-24
30s			25 —
40s			29 -29 1-2
50s			35 1-2-36
60s			45 -45 1-2
		STATE OF THE PARTY	

Carpet and Upholstery Yarn in Skeins.

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		South	iern	Single	Warps:	
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					20 -20	1-2
	148				20 -21	
	16s				20 1-2-21	
	20s				21 1-2-22	
					23 - 23	1-2
					23 1-2-24	
	30s				25 —	
	408				29 —	
6						

Southern Two-Ply Warps.

88		18 1-2-19 1-2
10s	**,	19 1-2-20
128		20 -20 1-2
148		21 21 1-2
16s	**********	21 1-2-22
208	***********	22 22 1-2
248		23 1-2-
268		14 —
30s		25 -25 1-2
40s	**************	29 1-2-30
508		36

8s	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	19 -19 1-2
10s	*************	20 —21
		20 1-2-21 1-2
148		21 -22
168	*************	21 1-2-22 1-2
18s		22 —23
20s		22 1-2-23 1-2
228		23 -23 3-4
248		23 1-2-24 1-2
26s		24 1-2-25
30s		25 1-2-26 1-2

Single Combed Peeler Skeins:

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Two-Ply Combed Peeler Skeins:

20s	 28 1-2-29
	30 1-2-31
	 32 —33
40s	 36 -40
50s	 43 —45
80s	 67 —71

"The woman threw herself in the river," read the teacher. "He husband rushed to the bank. No husband rushed to the bank. Now, tell me why her husband rushed to Norris Cot. Mills, S. C. .. the bank?" "To get the insurance Olympia Mills, S. C. i pfd money," yelled the class.—Cincinnati Orangeburk M. Co., pfd Orr Cot. Mills, S. C.

A. M. Law & Co. F. C. Abbott & Co.

Spartanburg, S. C.

BROKERS

Dealers in Mill Stocks and other Southern Securities

South Carolina and Georgia Mill

South Carolina and	Georgia 1	Mill	
Stocks.			
	Bid A	100	Ar
Abbeville Cot. iMlls, S.	C		A
Aiken Mfg. Co., S. C			B
Am. Spin. Co., S. C	150	153	BI
Anderson Cot. M, S. C.	ofd 90		CE
Aragon Mills, S. C	*** ***	05	Ci
Arcadia Mills, S. C		100	CI
Arkwright Mills, S. C. Augusta Factory, Ga.		35	CI
Avondale Mills, Ala		120	CI
Anderson Cot. M, com Belton Cot. Mills, S. C.			D
Belton Cot. Mills, S. C. Brandon Mills, S. C	100	105	DE
Brogon Mills, S. C	*** ***	61	E
Brogon Mills, S. C Calhoun Mills, S. C Cannon Mfg. Co., N. C.		51	E
Capital Cot. Mills, S.	120	1f0 85	E
Chiquola Mills, S. C.	105	115	G
Clifton Mfg. Co. com Clifton Mfg. Co., pfd	400	97	G
Clinton Cot. Mills, S.	C 100	125	H
Courtenay Mfg. Co., S.	C. 55	No	H
Cox Mfg Co & C			H
Uniquola Mills, pid	78	85	h
D. E. Converse Co., S	3. C	85	L
Dallas mig. Co., Ala	s. C	110 65	I
Drayton Mills. S. C.	30		N
Eagle & Phenix M, C Easley Cot. Mills, S.		72 175	F
Enoree Mfg. Co., S. C.		20	F
Enoree Mfg. Co., pfd Enterprise Mfg. Co.,	To 65	100	1
Exposition Cot. Mills,	Ga	125	1
Fairfield Cot Mills 8	2 0	70	
Gaffney Mfg. Co	om	57.50 75	(
Glenwood Mills, S.	C 80		(
Glenn-Lowry M. Co.,	S. C. 101		(
Gluck	., ptc	721/4 68	
Gluck	C		1
Granby C. M. S. C.,	pfd		1
Graniteville M. Co.,	S. C. 100	No	
Greenwood Cot. M, S. Grendel Mills, S. C.	C 49	97	
Hamrick Mills S C	to a constitute to the second	102	
Hartsville C. M, S. C. Henrietta Mills, N. Inman Mills, S. C.	175		
Inman Mills, S. C.	u	101	
Inman Mills, S. C., 1	pid	100	
Jackson Mills, S. C. King, John P. Mfg. Co	90 o., Ga	101	
Lancaster C. M. S. C	130		
Lancaster C. M., S. C	., pra 97	2225	
Langley Mfg Co., S. Laurens Cot. Mills, S	C 70	75 100	
Limestone C. M., S. C	1 125		
Lockhart Mills, S. C.	125		
Marlboro Mill Mills Mfg. Co., S. C	110		
Mollohon Mig. Co.,	S. C	90	
Monarch Cot. Mills, o Monarch Cot. Mills,	S. C. 115	90	
P Newberry Cot. Mills.	S. C. 112		
v. Ninety-Six Mills, S. (D	150	
O Norris Cot. Mills, S. C.		100	

Charlotte, N. C. BROKERS

Southern Mill Stocks, Bank Stocks N. C. State Bonds, N. C. Railroad Stock and Other High Grade Securities

North Carolina Mill Stocks.

Bid	l. A	sked
Arista		
Alphine, pfd		100
Avon		
Brown, com 11	5	
Brown, pfd		100
Cabarrus	20	
Cannon 15	0	
Chadwick-Hoskins, pfd		100
Chronicle	PERCE.	160
Cliffside 19		195
Dakota		
	60	
Entwistle 1	00	115
		13416
Erwin, com		155
Erwin, pld 1	20	105
	50	234
Gibson 1	09	110
		130
Henrietta		117
	90	
Highland Park, pfd 1	02	
	30	
Kesler 1	40	
Loray Mfg. Co., pfg		85
	10	
	000	150
		150
	29	10
	85	
Vance	70	
Washington		
Wiscassett	140	
Ottaray Mills, S. C		
Oconee, com		100

Ottaray Mills, S. C	100
Oconee, com	Okin
Oconee, pfd 10	100
Pacolet Com	103
Pacolet Mfg. Co., pfd1008	
Parker, Com 6	
Parker, pfd 30	
Parker Cot. M. Co., guar 85	90
Pelzer Mfg. Co., S. C 115	
Pickens Cot. Mills, S. C 95	100
Piedmont Mfg. Co., S. C., 140	145
Poe, F. W. Mfg. Co., S. C	92
Richland C. M., pfd	
Riverside Mills, S. C	25
Roanoke Mills, N. C 140	160
Saxon Mills	52
Spartan Mills	116
Toxaway Mills, S. C	
Tucapau Mills, S. C 280	
Union-Buffalo M. 1st pfd	35
Union-Buffalo, 2nd 3	5
Victor Mfg. Co., S. C	***
Ware Shoals M. Co., S. C. 70	
Warren Mfg. Co., S. C 61	
Warren Mfg. Co., S. C.,pfd	36
Whitney Mfg. Co., S. C	96
Williamston Mills, S. C	96
Woodruff Cot. M. S. C 95	100
Woodside Cot. M, S. C	
Williamston Cot. M. pfd	

Personal Items

Julius Hughes has resigned as overseer of cloth room at the Monaghan Mills, Greenville, S. C.

- J. N. Vincent of Tallassee, Ala., has accepted the position of over-seer of cloth room at the Merrimack Mills, Huntsville, Ala.
- J. E. Amerson has resigned his position with the Wellington Mills, Macon, Ga., to become second hand in spinning at the Eva Jane Mills, Sylacauga, Ala.
- J. C. Tiddy has resigned as overseer of spinning at the Nokomis Mills, Lexington, N. C., and return-Nokomis ed to his former position as the overseer of spinning at the Amazon Mills. Thomasville, N. C.

Geo. W. Turnipseed has not accepted the position of overseer of carding at the Woodlawn Mills, Anniston, Ala., as we stated through error last week.

R. R. Woodside is Slashed by Weaver.

R. Woodside boss weaver at the Watts Cotton Mills, Laurens, S. C., was badly used up Tuesday in an altercation with one of weavers, Charley Penland, who slashed Woodside with a pocket knife inflicting a number of ugly Charley Penland, who and painful wounds in the head and neck before the men could be separated. In all Woodside was cut in eight or ten places, one of the most serious wounds being the severing of an artery in his arm. The trouble is said to have resulted from "docking" Penland.

Charged with assault and battery with intent to kill. Penland was arrested and jailed.

Cotton Consumption For June.

Washington, July 14-Cotton consumed during June was 445,635 bales, exclusive of linters, compar-ed with 441.157 in June last year, the Census Bureau announced today. Consumption for the 10 months ending June 30 was 4,745,-390 bales, against 4,588,729 last year.

NEW OLD SHUTTLES MADE

Why throw your Old Shuttles away when you can save money by having them refilled at the

WESTMINSTER SHUTTLE WORKS

WESTMINISTER, S. C.

SPINNING RINGS Best Quality Guaranteed

Also Manufacturers of Drop Wires

The Connecticut Mill Supply Co.,

Torrington, Connecticut

Southern Representatives, PEARSON & RAMSAUR, Greenville, S. C.

HIGH GRADE MILL BRUSHES



Special Brushes Made to Order

D. D. FELTON BRUSH CO.

ATLANTA, GA.

H. Hutchins,

CHARLOTTE, N. C.

MANUFACTURERS, OVERHAULERS and REPAIRERS OF COTTON
MILL MACHINERY

DID YOU EVER STOP TO THINK THAT WE MANUFACTURE
FLYER PRESSERS RIGHT HERE IN CHARLOTTE? This means your
orders are filled promptly. We can save you money in three different
ways. First, on the price. Second on the express or parcel post
charges. Third, by making prompt shipments, thus putting your spindles to running when they are stopped for pressers. Isn't this worth condles to running when they are stopped for pressers. Isn't this worth con-idering? Many of our largest orders come from the North. All we ask

SATISFACTION GUARANTEED.

SOLUBLE SIZING TALLOW



as a most valuable softening agent. Users of this article will avoid the danger of mildewed warps and also the disagreeable odor of Raw Tallow in the goods. In short, an excellent softening agent.

Arabol Manufacturing Company

100 William Street, NEW YORK CAMERON MacRAE, Southern Agent, Charlotte, N. C. Thursday, July 16, 1914.

Cotton on hand June 30, in manufacturing establishments was 1,154,-407 bales compared with 1,203,470 a year ago, and in independent warehouses 630,729 compared with 609,360 a year ago.

Exports during June were 295,-539 bales against 223,921 last year, and for the 40 months 8,767,371 10 months 8,767,371 against 8,403,084 a year ago.

Imports were 47,010 bales against 8,019 last year, and for the 10 months 227,413 against 210,364 a

Cotton spindles active during June numbered 30,938.752 against 30,046,121 a year ago.

Linters consumed during was 26,954 bales against 25,355 a year ago; and for the 10 months 258,155 bales against 251,629 last year; on hand in manufacturing establishments 88,819 bales against 81.845 a year ago, and in independent warehouses 33,185 against 40,-877 a year ago.

Linters exported during June was 23,409 bales and for the 10 months 249,966 bales.

Brightening the Home.

"How's the baby?" inquired the

neighbor, of the new father.

"Fine," said the proud parent.

"Don't you find that a baby brightens up a household wonder-

fully?" pursued his friend.
"Yes," said the parent with a sigh; "we have the gas going most of the night now"

The North Carolina College of Agriculture and Mechanic Arts.

This State Industrial College offers strong courses in Agriculture, Horticulture, Stock-raising, Dairy-ing, Poultry, Veternary Medicine: ing, Poultry, Veternary Medicine; in Civil, Electrical, and Mechanical Engineering; in Chemistry and Dye-ing; in Cetton Manufacturing, and in Agricultral teaching. Four Two and one year Courses in Agriculture and in Machine Shop Work. Faculty of 64 men; 738 students; 25 buildings; excellent equipment and laboratories for each de-partment. On July 9th County Superintendents conduct entrance examinations at each county seat. For catalogue write.

E. B. OWEN, Registrar, West Raleigh, N. C.

HOLD OUR TRADE

By maintaining Quality and Uniformity.

By giving the Trade a Sizing that is ALL SIZING and absolutely no water used in its manufacture. Our Chief Aim is to please our customers and produce better results for less money.

We have confidence enough in our goods to send sample barrel on approval, freight paid, and a practical man to demonstrate our claims.

THE KEEVER BROS. CO.,

Manufacturers of "K. B." SPECIAL SIZING.

289 Market Street, NEWARK, N. J.

Want Department

Want Advertisements.

If you are needing men for any position or have second hand machinery, etc., to sell the want col-umns of the Southern Textile Bulletin affords the best medium for advertising the fact.

Advertisements placed with us reach all the mills and show results.

Employment Bureau.

The Employment Bureau is a feature of the Southern Textile Bul-letin and we have better facilities

for placing men in Southern mills than any other journal. The cost of joining our employ-ment bureau is only \$1.00 and there is no other cost unless a position is secured, in which case a reasonable fee is charged.

We do not guarantee to place every man who joints our employ-ment bureau, but we do give them the best service of any employment bureau connected with the Southern textile industry.

Spinning Bands For Sale.

A better band made from good made on the small band machine. stock, for less money than can be Will deliver Spinning or Twister Bands, all automatically made, in 100-lb. lots at 23c. a pound. All bands guaranteed perfect.

Aragon Cotton Mills. Rock Hill, S. C.

- WANT position as overseer of weav-ing. Prefer Draper job, but am expert on box looms and dobbies. Have run large rooms and always given satisfaction. Address 728.
- WANT position as overseer of spinning or second hand in large room. 5 years as overseer. Age 36. Married. References from former employers. Address No
- WANT position as superintendent of either yarn or weave mill on either white or colored work. Now employed as superintendent, but prefer more modern mill. Would not be interested at less than \$1,200 per year. Address No.,
- WANT position as superintendent of small mill or overseer of weaving in large mill. Age 48. Married. 30 years experience on wide variety of goods. Now employed and can furnish line of good references. Address No. 731.
- WANT position as sample room man or designer. Have had good ex-perience on fancy and fine goods, both silk and cotton. Can furnish good references. Address No. 732.
- or both. Have had good experience in both rooms as overseer and can give satisfaction. Fine references. Address No. 738.

- WANT position as overseer of carding. Now employed, but want larger room. Can furnish best of references. Address No. 734.
- WANT position as roller coverer. 8 years experience. Am first-class roller coverer. Strictly sober. roller coverer. Strictly sober. Steady worker. Can furnish good references. Address No. 735.
- WANT position as overseer of weaving. Now employed but would like to change. Experience on both coarse and fine work. Good references. Address No. 736.
- WANT position as superintendent. Besides having long experien superintendent on both white and colored goods am expert designer. Now employed. Good references, Address No. 737.

WANT position as superintendent

or overseer of large card room. years as overseer of carding. 9 years superintendent. Experience on various classes of goods. Excellent references. Address No. 738.

WANT position as superintendent or overseer of spinning. Have had long experience in good mills and can furnish fine references. Address No. 739.

WANT position as master mechanic. Am a practical machinist and engineer of long experience. Can furnish the best of references. Address No. 740.

WANT position as overseer of spin-ning. Now employed but for good reasons wish to change. Have had long experience and can get results. Address No. 741.

WANT position as overseer of weav-Now employed and giving satisfaction, but wish to change to more modern mill. Fine refer-ences. Address No. 742.

WANT position as superintendent of either spinning or weaving mills. Prefer white goods, but of either have experience on ginghams and other colored goods. Fine refer-ence. Address No. 743.

WANT position as superintendent or overseer of either spinning or weaving. Now employed but wish healthier location. Good refer-ences. Address No. 744.

WANT position as ovesseer of carding in medium to large size mill. Have many years experience on white and colored work, fine and coarse numbers. Married. On present job 7 years. Go ences. Address No. 745. Good refer-

WANT position as superintendent. Have had long experience and am now employed. Especially strong carding department, but perienced in all. Address No. 746.

WANT position as overseer of weaving at not less than \$3.00 per day.

Married. Temperate. Of good character. Experienced on plain and check work. References if de-sired. Address No. 747.

WANT position as superintendent or general manager. Have good experience on both white and col-Have good ored goods and am good manager of help. Finderess No. 748. Fine references. Ad-

- WANT position as carder in large mill, or carding and spinning in any size mill. Have long experience and have always made good. Now employed. Address No. 749.
- WANT position as overseer of spin-Have had long experience including 4 years as overhauler. Can give present employers as reference. Address No. 750.
- WANT position as overseer of carding or spinning at not less than \$2.50 per day. Age 31: Sober. 15 years experience in carding and spinning. Can furnish good references. Address No. 751.
- WANT position as overseer of spin-Have had long experience, especially on market yarns and can furnish best of references as character and ability. Address No. 752.
- WANT position as overseer of card-Now employed. Have run present job 3 years, and can furnish best of reference. Age 29. Have two hands for mill. Health of wife only reason for changing. Address No. 753.
- position as superintendent. Have had long expereince on both coarse and fine yarns with special expereince on hosiery yarns. Fine references from former employed. Address No. 754.
- WANT position as overseer of weaving. Long experience on both white and colored goods and have had charge of large rooms. Can last employer as reference. Address No. 755
- WANT position as superintendent. Long experience both as carder and superintendent or both yarn and weaving mills. Can give satisfactory references. Address No.
- WANT position as overseer of spin-Have had long expereince and handled large rooms successfully. Can furnish first-class references from former employers. Address No. 757.
- WANT position as overseer of spinning at not less than \$3.00 per Have had experience in successful mills and can furnish fine references from former employ-Address No. 758

WANT position as superintendent. overseer of spinning or traveling Have had long experience as overseer of large spinning rooms and can give former employers as reference. Address

PATENTS

Trade marks and Copyrights

Send your business direct to Wash ington. Saves time and insure better service.

Personal Attention Guaranteed 30 Years Active Service

SIGGERS & SIGGERS Patent Lawyers Washington D.C.

- WANT position as carder chinist. Now employed but prefer to change: Can give good references as to character and ability. Address No. 760.
- WANT position as superintendent or overseer of weaving. Long experience and first-class referen-Can get results. Address No. 761
- WANT position as overseer of weaving. Have had long experience both in the mill and erecting looms. Can furnish fine references. Address No. 762.
- WANT position as master mechanic or engineer. Had -8 years experience in locomotive and marine work and cotton mill repair shops. Good references. Can change on short notice. Address No. 763.
- WANT position as overseer of spinning and winding. 17 years experience in spinning and am now employed. Can furnish good references. Address No. 764.
- WANT position as superintendent or overseer of weaving. Five years overseer of weaving, two years superintendent. Can nish good references. Address No. 765.
- WANT position as superintendent or manager. Am well educated and have had considerable practical experience. Now employed and can furnish fine references. Now employed Address No. 766.
- WANT position as superintendent. Now employed but for good reasons wish to change. Special experience on hosiery yarns, both colored and white. Fine referen-ces from former employers. Address No. 767.
- WANT position as overseer of carding and spinning in small mill or spinner in large mill at not less than \$3.00 per day. Age 35. Good character and habits. Long experience. Address No. 768.
- WANT position as overseer of weaving. Have had long experience especially on colored and fancy goods. Can give former employers as reference. Address No. 769.
- WANT position as superintendent of either varn or weave mill or carder in large mill. Now em-ployed, but want larger job. Good experience and references. Address No. 831.

- Long experience as superintendent and am considered an A-1 carder. Now employed. Best of references. Address No. 770.
- WANT position as superintendent, overseer weaving, or traveling salesman. Have had experience in such positions and can furnish good references. Address No. 771.
- WANT position as superintendent or overseer of carding. Am now employed in large mill, but for good reasons prefer to change. Fine references. Address No. 772.
- WANT position as overseer of weav ing. Age 33. Now employed but have best of reasons for wanting to change. Can furnish good references. Address No. 773.
- WANT position as overseer of cloth room 14 years expreience as over seer and can handle product of any mill in South. Nothing less than \$3.00 per day considered. Address No. 774.
- WANT position as superintendent or overseer of spinning. Long experience on both coarse and fine numbers and can furnish best of references. Address No. 775.
- WANT position as overseer of weaving. Now employed as second hand on fancy fine goods. Can give good references from past and present employers. Address No. 776.
- WANT position as superintendent or carder and spinner. 16 years experience in those positions and am now employed. Can furnish best of references. Address No.
- A HUSTLER for production wants .. job as overseer of weaving. 15 years experience on shirtings, drills and duck, can give first-class reference as to my ability to run and manage a weave room. In order to take a needed rest I resigned my position several months ago, and have been in the canvassing business since. Address No.
- WANT position as overseer of spin-ning. Age 42. Married. Strictly sober. Have long experience on both coarse and fine white and colored work. Address No. 779.
- WANT position as overseer of cerd ing or spinning or both. Age 41. Married; 20 years experience. 15 years overseer. Good references. Address No. 780.
- WANT position as superintendent. Have had long experience on both coarse and fine goods and can furnish best of references as to character and ability. Address No.
- WANT position as superintendent or overseer of weaving or salesman for sizing compound. Have had long expereince in the mill and as salesman and can furnish good references. Address No. 782.

- WANT position as superintendent. WANT position as superintendent of WANT position as superintendent. perienced on hosiery yarns. Competent and reliable. Can invest some capital in good proposition. Address No. 783. either yarn or cloth mill. Am ex-
 - WANT position as superintendent or carder and spinner. Have had long experience on both coarse Have had fine goods and can furnish good references. Address No. 784.
 - WANT position as superintendent or overseer of weaving. Experience on both white and colored goods and have always given sat-isfaction. Good references. Address No. 785.
 - ing. Now employed but do not like present location. Long ex- Have had long experience and perience and good references. Address No. 786.
 - WANT position as superintendent. Am a Southerner, but have some time been employed in Eastern mills. Have given satisfac tion but prefer to return South. Have valuable experience. Address No. 787.
 - WANT position as superintendent or carder. Have had experience in as overseer of large card room. both North and South. Excellent references. Address No. 788.
 - WANT position as superintendent. Prefer mill on hosiery yarns, but would take hard yarn mill. Now employed and can furnish good references as to ability and character. Address No. 789.
 - WANT position as overseer of card-Am experienced on both and fine numbers, white and colored. Prefer Georgia or Siuth Carolina. Sober. Good manager of help. Satisfactory references. of help. Satisfa Address No. 790.
 - WANT position as superintendent or overseer of carding. Long experience. Now employed, but want larger mill. Good references. Address No. 791.
 - WANT position as overseer of weavfinishing or cloth room Long experience as weaver and also expert cloth room and finisher man, including colored goods. Address No. 792.
 - WANT position as superintendent of yarn mill. Long practical experence on all classes of yarns from 4s to 180s. Also experience on automobile tire and similar fabrica. Fine presences Ad fabrics. Fine references. dress No. 793.
 - WANT position as overseer of card-Now employed and giving satisfaction. but prefer healthier location. Good refernces. Address No. 794.
 - WANT position as overseer of spinning or carding and spinning. Married and strictly sober. 16 years experience. Am also a technical graduate of the I. C. S. Nothing less than \$4.00 per day will interest me. References. Address No. 795.

- Have had long experience, especially on hosiery yarns. Can furnish best of references from former employers. Address No. 796.
- WANT position as superintendent of weaving or yarn mill of not less than 15,000 spindles. Now employed as superintendent, but want larger mill. Fine references. Address No. 797.
- intendent. Now employed as su-perintendent of small mill, but would change for larger job. Long experience and good references. Address No. 798.
- Have had long experience and given satisfaction. Reason for changing better salary. Age Married. Strictly sober. Experienced from ground up on both white and colored work. Address
- WANT position as overseer of weaving. Experienced on both white and colored work and on all makes Experienced on both white of loom. Good references. dress No. 801.
- WANT position as overseer of weaving. Am experienced overseer and also a good designer. Can furnish fine references. Address No. WANT position as superintendent.
- WANT position as overseer of spinning or carding and spinning. Now employed as overseer. Married. Age 27. Long expereince. Good references. Address No. 803.
- WANT position as overseer of card-ing and spinning. Have had long experience and am now employed. Can furnish good refrences. dress No. 804.
- WANT position as superintendent of small mill or spinner in large mill. 13 years experience as overseer. Can furnish good references. Address No. 805.
- WANT position as superintendent. Long experience, especially on fine combed yarns. Can furnish best of references from form ployers. Address No. 806. former em-
- WANT position as superintendent or overseer weaving. Now employed and giving satisfaction, but prefer to change. Can fur-nish best of references. Have had long experience. Address No. 807
- WANT position as superintendent. Now employed as superintendent and am giving entire satisfaction, but prefer larger mill. My references are all that can be desired. Address No. 808.
- WANT position as superintendent. Have had long experience both as carder and spinner and have been well trained. Am competent to handle mill and can give satisfaction. Address No. 809.
- WANT position as superintendent or overseer of carding and assist-

- ant superintendent. Graduate Ga. Tech. Age 27. Married. Want larger job. Good references. Ad-dress No. 810.
- WANT a position as overseer of
- carding in small room, or second hand in large one. Am now employed but want higher salary. Twenty-four years experience. Can amply furnish satisfactory references. Address No. 811.
- WANT position as superintendent. Have had experience on both hosiery and hard yarns. Married. Sober. Reliable. Now employed. Can furnish good references. Address No. 812.
- WANT position as superintendent of yarn mill or plain weaving mill or overseer of large card room. Long experience. Good references. Address No. 813.
- WANT position as overseer of carding at not less than \$3.00 per day. Now employed but prefer to change. Good experience. Fine references. Address No. 814.
- WANT position as overseer of weaving or as salesman for chemical or sizing compounds. Long experience as overseer of weaving and slashing and can furnish satisfactory references. Address
- Special experience on combed yarns, both coarse and fine. Now combed employed as superintendent and can furnish best of references. Address No. 816 .
- WANT position as superintendent. Have been overseer in good mills for 20 years and feel competent to run a mill. Have made good on past jobs and can make good as superintendent. Address No.
- WANT position as overseer of weav-Experience on cheviots, chambrays, sheetings and drills. Married; age 32. Good references. Address No. 821.
- WANT position as superintendent. Have 15 years expereince as overseer and superintendent on from 6 to 30s and sheeting, ratines and dress goods. Now employed. Can furnish best of references. Address No. 822.
- WANT position as superintendent or as carder and spinner. Experience in both yarn and weaving mills and can give satisfaction. Am now employed but would change for larger job or promo-tiona. Address No. 823.
- WANTED position of superintendent by practical man with executive ability, fully capable of man-aging a mill, one who will stay on aging a mill, one who will stay on the job and get possible results. Ten years as superintendent, twelve as overseer. Experienced on yarns and plain weaves. Now employed. A-1 references. Address No. 824.
- WANT position as overseer carding. 8 years experience as machinery erector and carder. Married. Good réferences. Can change on ten days notice. Address No. 825.

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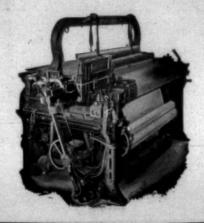
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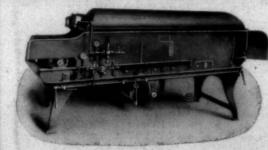
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